

SPENCE
distributors Ltd.

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Web Site: www.spencedistributors.com
E-Mail: sales@spencedistributors.com

Visit Our Machinery Showroom Today

**INSIDE... Over 300
Metal Working Machines!**

**2006 Metal
Working
Machinery
Catalogue**

www.spencedistributors.com

TERMS & CONDITIONS:

WARRANTY - 1 year parts replacement unless otherwise indicated. Excludes common wear components.

LEASE RATES - Unless Otherwise Stated, Are O.A.C. Based on a 60 month term with a 10% buyout option at end of lease, excludes taxes & insurance. Several other leasing plans available to suit your needs.

SHIPPING - All machines are FOB. Our Winnipeg warehouse.

PRICING - All prices are in Canadian Dollars (unless otherwise specified) and subject to change without notice.

ELECTRICAL CERTIFICATION - All machine prices include the proper electrical certification.



Precision Gearhead Lathes

12" x 36"

\$3,899



C06320A

Lease from
\$98.⁶³/mth.

13" x 40"

\$4,999



C0632A

Lease from
\$120.³⁶/mth.

14" x 40"

\$5,999



GH-1440A

Lease from
\$144.³⁶/mth.

Features:

- 6" 3 Jaw chuck & adapter w/top reversing jaws
- Center sleeve & center, Tools, manual, oil gun
- 12" Face Plate, Backplate
- 6" 3 jaw & 8" 4 Jaw chucks
- Steady rest, Follow Rest
- Inch/Metric Handwheels
- Micrometer Adjustable Stop
- Foot brake
- Work Light
- Coolant System
- Rear Splash guard, 4 Way Toolpost
- Hardened & Ground Bedways
- Forward/Reverse control Lever on apron for operator convenience
- Tolerance Inspection Report, One Year Warranty Parts



**These Machines
Are On Our Floor,
Come Down Today!**

Specifications		C06320A (12"x36")	C0632A (13"x40")	GH-1440A (14"x40")
Capacity	Swing Over Bed	300mm., 12"	330mm., 13"	356mm., 14"
	Swing Over Cross Slide	178mm., 7"	185mm., 7-1/4"	220mm., 8-5/8"
	Swing Over Gap	430mm., 17"	476mm., 18-3/4"	506mm., 20"
	Distance Between Centers	914 (36")	1000(40")	1000(40")
Spindle	Hole Through Spindle	38mm., 1-1/2"	38mm., 1-1/2"	38mm., 1-1/2"
	Spindle Mount	D1-4 Camlock	D1-4 Camlock	D1-4 Camlock
	Taper In Spindle Nose	MT#5	MT#5	MT#5
	Range Of Spindle Speeds	75-1400 (Rpm.)	70-2000 (Rpm.)	45-1800 (Rpm.)
Feeding & Threading	Longitudinal Feeds	.028-.791 mm/rev., .001"-.031"/rev	.082-2.710 mm/rev., .0032"-.1067"/rev	.043-.653 mm/rev., .0012"-.0294"/rev
	Range Of Cross Feeds	.010-.268 mm/rev., .0004"-.011"/rev	.022-.933 mm/rev., .00086"-.0367"/rev	.015-.220 mm/rev., .0003"-.0100"/rev
	Metric Threads	4-7.0mm. (32 Types)	4-7.0mm. (32 Types)	.45-7.5mm. (22 Types)
	Inch Threads	4-60 TPI (32 Types)	4-56 TPI (28 Types)	2-112 TPI (44 Types)
Tailstock	Spindle Travel of Tailstock	100mm., 3.94"	95mm., 3-5/8"	120mm., 4-3/4"
	Taper In Tailstock Quill	MT#3	MT#3	MT#3
Main Motor	Main Motor	1.5 Kw., 2 Hp.	1.5 Kw., 2 Hp.	2.4 Kw., 3 Hp.
	Voltages	220V 1ph. or 220V 3ph. or 575V 3ph.	220V 1ph. or 220V 3ph. or 575V 3ph.	220 1ph. or 220V 3ph. or 575V 3ph.
	Overall Dimensions	68"L x 46"H x 28"W	75"L x 48"H x 29.5"W	76"L x 48"H x 28"W
	Net Weight (approx.)	500 Kg., 1,100 Lbs.	565 Kg., 1,245 Lbs.	770 Kg., 1,700 Lbs.

Precision Gearhead Lathes

Precision Gap Bed Engine Lathe

Shown With Optional Quick Change Tool Post

Features:

- 8" 3 Jaw chuck & adapter w/top reversing jaws
- MT#6-4 Center sleeve & MT#4 center
- Tools, manual, oil gun
- 11.8" Face Plate, Backplate
- Thread Chasing Dial
- 12-1/2" 4 Jaw chuck
- Inch/Metric handwheel graduations
- Clutched saddle stop w/micrometer adjustment
- Steady rest
- Follow rest
- Foot brake
- Coolant system
- Rear Splash guard
- Removable Chip Tray
- 4 Way Toolpost
- Light system
- Hardened & Ground Bedways
- Forward/Reverse control Lever on apron for operator convenience
- Tolerance Inspection Report
- One Year Warranty Parts



**Lease from
\$236.³⁶ /mth.**



\$8,990

*All lease rates are OAC. and based on 60 mth. term with 10% buyout. Taxes & Insurance extra.

16" x 40"

Specifications

CD6241

Capacity	Swing Over Bed	410mm., 16"
	Swing Over Cross Slide	255mm., 10"
	Swing Over Gap	580mm., 22.8"
	Length of Gap	250mm., 10"
	Distance Between Centers	1000(40")
Spindle	Hole Through Spindle	52mm., 2.05"
	Spindle Mount	D1-6 Camlock
	Taper In Spindle Nose	MT#6
	Range Of Spindle Speeds (16)	45-1800 (Rpm.)
Feeding & Threading	Longitudinal Feeds	.050-1.7 mm/rev., .002"-.067"/rev
	Range Of Cross Feeds	.025-.850 mm/rev., .001"-.0335"/rev
	Metric Threads	.2-14mm. (39 Types)
	Inch Threads	2-72 TPI (45 Types)
	Diametral Pitches	8-44DP. (21 Types)
Tailstock	Module Pitches	0.3-3.5MP. (18 Types)
	Spindle Travel of Tailstock	120mm., 4-3/4"
	Taper In Tailstock Quill	MT#4
	Max. Cross Slide Travel	210mm., 8.25"
	Max. Compound Slide Travel	102mm., 4"
	Main Motor	3.3 Kw., 4.5 Hp.
	Voltages	220V 3ph. (220V single phase Optional \$800)
	Overall Dimensions	76-1/2"L x 50-3/4"H x 36"W
	Net Weight (approx.)	1,550 Kg., 3,410 Lbs.

Precision Gearhead Lathes



Large 3-1/8" Spindle Bore !!!

No Change Gears Required !!!

Features:

- 3 Jaw chuck & adapter
- 4 Jaw chuck
- Center sleeve & center
- Tools, manual, oil gun
- Drive Plate
- Face Plate
- Steady rest, Follow rest
- Foot brake, Splash Guard
- Coolant system
- Thread chasing dial
- Light system
- Headstock gears hardened & ground
- Headstock lubricated by means of pump & oil bath
- Clutch furnished in apron is for over load protection on automatic feed
- Induction hardened & ground bedways
- 5 adjustable stops allow you to automatically stop saddle feed at any position
- One Year Warranty

We Stock An Extremely Comprehensive Range Of Lathe Tooling!

16"x40"
\$10,990

16"x60"
\$12,990

18"x60"
\$14,990

Specifications		GH-1640	GH-1660	GH-1860
Capacity	Swing Over Bed	400mm., 16"		450mm., 18"
	Swing Over Cross Slide	222mm., 8.75"		285mm., 11.2"
	Swing Over Gap	650mm., 25.63"		696mm., 27.4"
	Length of Gap	318mm., 12-1/2"		318mm., 12-1/2"
	Distance Between Centers	1000mm., 40"	1500mm., 60"	1500mm., 60"
Spindle	Hole Through Spindle	80mm., 3-1/8"		
	Spindle Mount	D1-8 Camlock		
	Taper In Spindle Nose	MT#6		
	Range Of Spindle Speeds	40-1600 (Rpm.)		
Feeding & Threading	Longitudinal Feeds	.0325-1.76 mm/rev., .0012"-.0672"/rev		
	Range Of Cross Feeds	.014-.736 mm/rev., .0005"-.0288"/rev		
	Metric Threads	.1-14mm. (41 Types)		
	Inch Threads	2-112 TPI (60 Types)		
Tailstock	Spindle Travel of Tailstock	130mm., 5.12"		
	Taper In Tailstock Quill	MT#4		
	Max. Cross Slide Travel	220mm., 9"		
	Max. Compound Slide Travel	120mm., 4-3/4"		
	Main Motor	5.5 Kw., 7-1/2 Hp.		
	Voltages	220V 3ph.		
	Overall Dimensions	120"L x 49"H x 45"W		
	Net Weight (approx.)	2,300 Kg., 5,060 Lbs.	2,600 Kg., 5,720 Lbs.	3,130 Kg., 6,885 Lbs.

Precision Gap Bed Engine Lathe



22"x60" Machine Shown



Features:

- 3 Jaw chuck & adapter, 4 Jaw chuck & adapter
- Center sleeve & center, tools, manual, oil gun
- Drive Plate, Face Plate
- Inch/Metric Handwheels
- Steady rest, Follow rest, Foot brake
- Splash Guard, Coolant system
- Thread chasing dial
- Halogen Light system
- Headstock gears hardened & ground
- Headstock lubricated by means of pump & oil bath
- Clutch furnished in apron is for over load protection on automatic feed
- Induction hardened & ground bedways
- Adjustable stops allow you to automatically stop saddle feed at any position
- One Year Warranty Parts

Large 3-1/8" Spindle Bore !!!
No Change Gears Required !!!

Lease From
\$391.⁸⁵/mth.

Lease From
\$405.⁸⁵/mth.

Lease From
\$414.⁸⁵/mth.

\$16,990

\$17,590

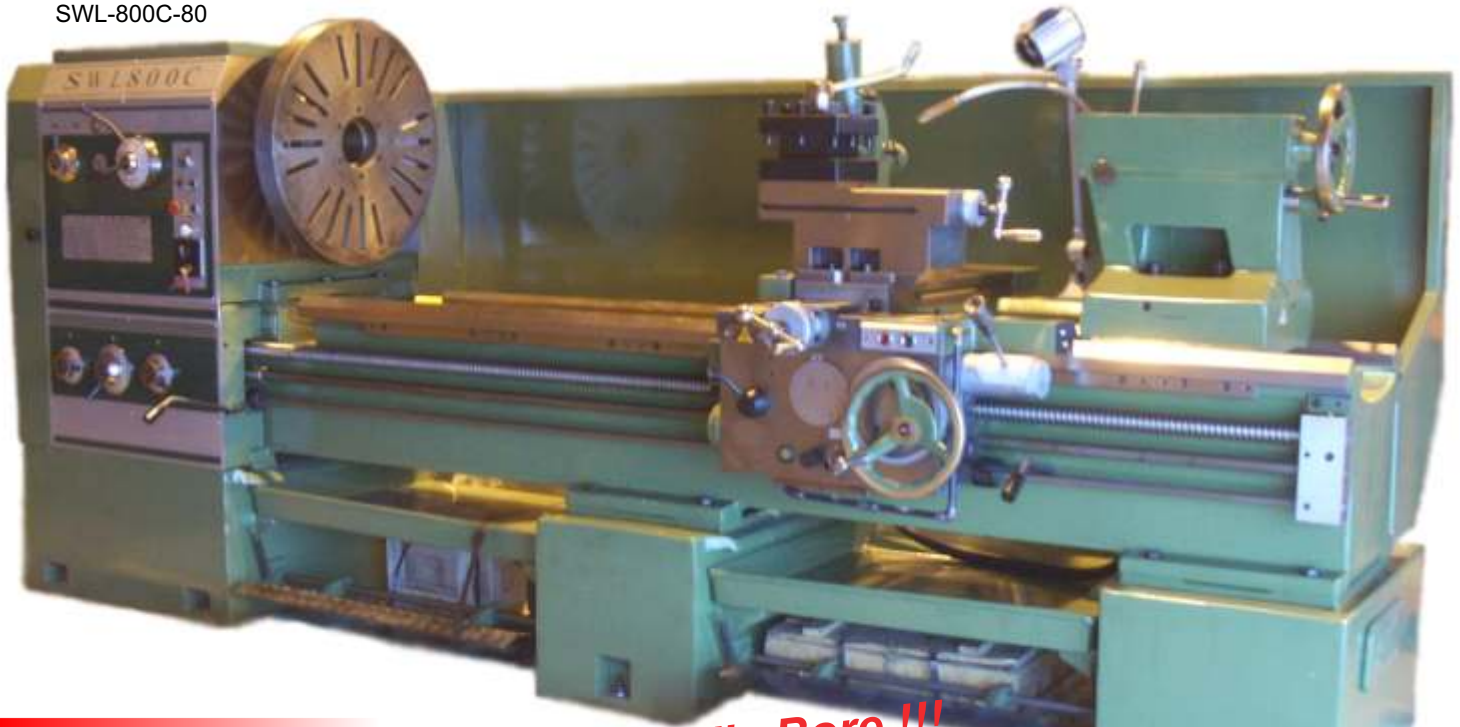
\$17,990

BIG BORE LATHE

Specifications		C6251/2000	C6256/1500	C6256/2000
Capacity	Swing Over Bed	5100mm., 20"	560mm., 22"	
	Swing Over Cross Slide	300mm., 11-7/8"	350mm., 13-3/4"	
	Swing Over Gap	738mm., 29"	788mm., 31"	
	Length of Gap	200mm., 8"		
	Width of Bed	350mm., 13-3/4"		
	Distance Between Centers	2000mm., 80"	1500mm., 60"	2000mm., 80"
Spindle	Hole Through Spindle	80mm., 3-1/8"		
	Spindle Mount	D1-8 Camlock		
	Taper In Spindle Nose	MT#7		
	Range Of Spindle Speeds	(12 speeds) 25-1600 (Rpm.)		
Feeding & Threading	Longitudinal Feeds	(35 kinds) .059-1.646 mm/rev., .0022"-.0612"/rev		
	Range Of Cross Feeds	(35 kinds) .020-.573 mm/rev., .00048"-.01354"/rev		
	Metric Threads	.2-14mm. (47 Types)		
	Diametrical Pitch Ranges	4-112 D.P. (50 Types)		
	Module Pitch Ranges	0.1-7 M.P. (39 Types)		
Tailstock	Inch Threads	2-112 TPI (60 Types)		
	Spindle Travel of Tailstock	180mm., 7"		
	Taper In Tailstock Quill	MT#5		
NEW!	Max. Cross Slide Travel	326mm., 12-15/16"		
	Max. Compound Slide Travel	130mm., 5-1/8"		
	Main Motor	7.5 Kw., 10 Hp.		
	Voltages	220V 3ph. (220V 1phase - Option add \$900)		
	Overall Dimensions	134"L x 57"H x 45"W	114"L x 57"H x 45"W	134"L x 57"H x 45"W
	Net Weight (approx.)	2,685 Kg., 5,900 Lbs.	2,370 Kg., 5,214 Lbs.	2,725 Kg., 6,000 Lbs.

Precision Gearhead Lathes

SWL-800C-80



Features:

- 3 Jaw chuck & adapter
- 4 Jaw chuck
- Center sleeve & center
- Tools, manual, oil gun
- Drive Plate, Face Plate
- Steady rest, Follow rest
- Foot brake, Splash Guard
- Coolant system
- Thread chasing dial
- Light system
- Zero Backlash on Saddle handfeed wheel
- Headstock gears hardened & ground
- Headstock lubricated by means of pump & oil bath
- Clutch furnished in apron is for over load protection on automatic feed
- Induction hardened & ground bedways
- Joystick on Apron for directional control of saddle & cross feeds
- Rapid Traverse in all directions with push button on joystick
- One Year Warranty

**Large 4-1/8" Spindle Bore !!!
No Change Gears Required !!!**

METTECH

20"x80"

20"x120"

32"x80"

32"x120"

\$19,990

\$22,990

\$27,590

\$29,990

Specifications		SWL-500C-80	SWL-500C-120	SWL-800C-80	SWL-800C-120
Capacity	Swing Over Bed	500mm., 20"		800mm., 32"	
	Swing Over Cross Slide	300mm., 12"		560mm., 32"	
	Swing Over Gap	710mm., 28"		1000mm., 40"	
	Distance Between Centers	2000mm., 80"	3000mm., 120"	2000mm., 80"	3000mm., 120"
Spindle	Hole Through Spindle	105mm., 4.133"			
	Spindle Mount	ISO702/ II NO. 8 Camlock			
	Taper In Spindle Nose	113mm 1:20			
	Range Of Spindle Speeds	30-1600 (Rpm.), 12 Speeds		30-1400 (Rpm.), 12 Speeds	
Feeding & Threading	Pitch Of Leadscrew	12mm., 2TPI.			
	Longitudinal Feeds	.063-2.52 mm/rev., .0023"- .0937"/rev	.028-6.34 mm/rev., .001"- .250"/rev		
	Range Of Cross Feeds	.063-2.52 mm/rev., .0023"- .0937"/rev		.063-2.52 mm/rev., .0023"- .0934"/rev	
	Metric Threads	1-14 mm. (22 Types)		.5-224 mm. (48 Types)	
	Inch Threads	2-28 TPI (22 Types)		1/8-72 TPI (49 Types)	
	Module Pitch Threads	0.5-7 MP (18 Types)		0.5-122MP (42 Types)	
	Diametral Pitch Threads	4-56 DP (24 Types)		1/4-56 DP (45 Types)	
Tailstock	Spindle Travel of Tailstock	150mm., 6"			
	Taper In Tailstock Quill	MT#5			
Carriage	Max. Cross Slide Travel	320mm., 12-5/8"			
	Max. Compound Slide Travel	145mm., 5-3/4"			
Power	Main Motor	7.5 Kw., 10 Hp.			
	Coolant Pump	90W			
	Rapid Traverse Motor	250W			
	Voltages	220V 3ph.			
Size	Bed Width	390mm., 16"		510mm., 20"	
	Overall Dimensions	150"L x 73"H x 46"W	189"L x 73"H x 46"W	150"L x 77"H x 66"W	189"L x 77"H x 66"W
	Net Weight (approx.)	2,600 Kg., 5,720 Lbs.	3,200 Kg., 7,040 Lbs.	3,300 Kg., 7,260 Lbs.	3,700 Kg., 8,140 Lbs.

Big Bore Large Swing Lathes

32"x120" Shown

**Massive 5-1/8"
Spindle Bore!**

Shown with optional Digital Readout



Features:

- 3 Jaw chuck & adapter
- 4 Jaw chuck
- Center sleeve & center
- Tools, manual, oil gun
- Drive Plate, Face Plate
- Steady rest, Follow rest
- Splash Guard
- Coolant system
- Thread chasing dial
- Light system
- Zero Backlash on Saddle handfeed wheel
- Headstock gears hardened & ground
- Headstock lubricated by means of pump & oil bath
- Clutch furnished in apron is for over load protection on automatic feed
- Induction hardened & ground bedways
- Joystick on Apron for directional control of saddle & cross feeds
- Rapid Traverse in all directions with push button on joystick
- One Year Warranty

Specifications		32" Swing Machines (CW6280C)	40" Swing Machines (CW62100C)
Capacity	Swing Over Bed	800mm., 32"	1000mm., 40"
	Swing Over Carriage	520mm., 20.5"	720mm., 28"
	Swing Over Gap	1000mm., 40"	1230mm., 48.4"
	Width of Gap	320 mm, 12.6"	
Spindle	Hole Through Spindle	130mm., 5-1/8"	
	Range Of Spindle Speeds	7.5-1000 (Rpm.), 18 Speeds	
Feeds & Threading	Longitudinal Feeds	.1-24.3 mm/rev., .0039"-.9567"/rev	
	Range Of Cross Feeds	.05-12.15 mm/rev., .0019"-.4783"/rev	
	Metric Threads	1-240 mm. (39 Types)	
	Inch Threads	1-14 TPI (26 Types)	
	Module Pitch Threads	0.5-120mm. (53 Types)	
Carriage	Diametral Pitch Threads	1-28 DP (24 Types)	
	Max. Cross Slide Travel	493mm., 19.4"	
	Rapid Traverse Speed	100 Ipm.	
	Max. Compound Slide Travel	200mm., 7.87"	
Power	Main Motor	11 Kw., 15 Hp.	
	Coolant Pump	90W	
	Rapid Traverse Motor	1.1 Kw., 1.5 Hp.	
	Voltages	220V 3ph. Or 575V 3Ph.	
Size	Bed Width	550mm., 21.6"	
40" Center Distance	Dimensions & Weight	151"x43"x76" 8,200Lbs.	151"x43"x76" 8,900Lbs.
	Price	\$29,990	\$31,990
60" Center Distance	Dimensions & Weight	174"x43"x76" 8,860Lbs.	174"x43"x76" 9,570Lbs.
	Price	\$30,290	\$32,290
80" Center Distance	Dimensions & Weight	192"x43"x76" 9,525Lbs.	192"x43"x76" 10,030Lbs.
	Price	\$30,990	\$32,990
120" Center Distance	Dimensions & Weight	211"x43"x76" 10,625Lbs.	211"x43"x76" 11,330Lbs.
	Price	\$32,990	\$34,990
160" Center Distance	Dimensions & Weight	248"x43"x76" 13,420Lbs.	248"x43"x76" 13,750Lbs.
	Price	\$37,990	\$39,990
196" Center Distance	Dimensions & Weight	295"x43"x76" 14,190Lbs.	295"x43"x76" 14,850Lbs.
	Price	\$41,990	\$43,990
236" Center Distance	Dimensions & Weight	334"x43"x76" 15,510Lbs.	334"x43"x76" 16,170Lbs.
	Price	\$45,990	\$47,990

CNC FlatBed Lathes



GE Fanuc Oi Controller



Features:

- Hardened & Ground way surfaces with Turcite B
- Centralized Oil Lubricator provides forced automatic lubrication onto ballscrew & mating surfaces.
- Stepless Servo drive for main spindle.
- High Spindle speeds with low noise under 80dB.
- Precision Ballscrew, high rigidity precision compound bearings ensures accurate positioning & efficient driving.
- Full enclosure guards which conveniently slide open.
- Internal coolant channels through toolpost
- Digital Flat Panel Color Display
- Optional Pneumatic, hydraulic chuck & tailstock available
- Optional Fanuc Manual Guide i - Menu driven conversational programming package

Includes: 3 Jaw Chuck, Center, Center Sleeve, Tools, Foundation Bolts & Pads

Lease From \$678.⁸⁵/mth.

Lease From \$710.⁸⁵/mth.

Lease From \$839.⁸⁵/mth.

Lease From \$860.⁸⁵/mth.

Lease From \$903.⁸⁵/mth.

\$29,990

\$32,990

\$38,990

\$39,990

\$41,990

Specifications		CKE6136i-40	CKE6140i-40	CKE6150i-40	CKE6150i-60	CKE6150i-80
Capacity	Swing Over Bed	360mm., 14"	400mm., 15.75"	500mm., 20"		
	Swing Over Cross Slide	180mm., 7"	200mm., 7.87"	280mm., 11"		
	Width of Bed	300mm., 11.8"			400mm., 15.7"	
	Distance Between Centers	1000mm., 40"			1500mm., 60"	2000mm., 80"
Spindle	Hole Through Spindle	40mm., 1.57"			82mm., 3.23"	
	Spindle Mount	A2-5			A8	
	Taper In Spindle Nose	MT#5			113mm 1:20	
	Range Of Spindle Speeds	200-3500 (Rpm.), Stepless			30-3000 (Rpm.), Stepless	
Tailstock	Spindle Travel of Tailstock	130mm., 5.12"			150mm., 5.90"	
	Taper In Tailstock Quill	MT#4			MT#5	
Power	Main Motor Peak Power	5.5 Kw., 7.5 Hp.			11 Kw., 15 Hp.	
	Rapid Traverse (IPM)	160-X, 200-Z			240-X, 400-Z	
	Voltages	220V 3ph.				
Size	Overall Dimensions	100"L x 60"H x 58"W		111"L x 64"H x 69"W	131"L x 64"H x 69"W	150"L x 64"H x 69"W
	Net Weight (approx.)	1,650 Kg., 3,630 Lbs.	1,700 Kg., 3,740 Lbs.	2,600 Kg., 5,720 Lbs.	2,700 Kg., 5,940 Lbs.	2,800 Kg., 6,160 Lbs.

CNC Flatbed Lathes

ET-30



Features:

- Rugged certified FC-30 Meehanite Castings
- Hardened & Ground way surfaces with Turcite B
- Precision Ground Double Nut Ballscrews
- High torque geared headstock
- Spindle supported by precision class bearings

CNC Operation

- Simple menu system - no codes of any kind
- Automatic turning, facing, drilling & threading cycles
- Conversational or G code programming
- 3D solid model graphic verification
- Reads standard G & M codes from CAD-CAM systems
- Read DXF files from AutoCAD™



Easier To Use Than A Conventional Lathe Yet Offers The Productivity of a CNC!

Manual Operation

- Manual handles for X & Z axis
- Full digital readout for positioning
- Manual power feed with joystick
- Electronic stops for convenient positioning
- Cut chamfers & Radii with manual handles
- Automatic teach mode, remembers manual moves

Demo Machines On Our Floor!

Lease From \$753 USD. Lease From \$903 USD. Lease From \$1,011 USD. Lease From \$1,097 USD. Lease From \$1,419 USD. Lease From \$1,591 USD.

\$34,980 USD. \$41,980 USD. \$46,980 USD. \$50,980 USD. \$65,980 USD. \$73,980 USD.

MACHINE CAPACITY	ET-14	ET-18	ET-21	ET-25	ET-30	ET-40
Swing Over Bed	14"	18"	21"	25"	30"	40"
Swing Over Cross Slide	7"	9.5"	12"	14"	18"	23"
Center Height	7.0"	9.5"	11"	13"	15"	20"
Swing in Gap	N/A	N/A	N/A	N/A	N/A	N/A
Distance Between Centers	40"	40"	60"	60"	60"	60"
Optional Distance Between Centers	N/A	60"	40"	40"	80", 120"	80", 120"
Width of Bed	10.25"	14"	14"	14"	19"	19"
Width of Cross Slide	7.0"	8.5"	8.5"	8.5"	11.0"	11.0"
Cross Slide Travel (X)	9"	10"	14"	14"	16"	37"
Longitudinal Travel (Z)	37"	37"	57"	57"	57"	57"
Ball Screw Size	1.625" Z - 1.00" X	1.625" Z - 1.00" X	1.625" Z - 1.00" X	1.625" Z - 1.00" X	2.00" Z - 1.00" X	2.00" Z - 1.00" X
Max Part Weight - Unsupported	350 lbs.	500 lbs.	800 lbs.	800 lbs.	1200 lbs.	1200 lbs.
Max Part Weight - Supported	1000 lbs	1500 lbs	2000 lbs	2000 lbs	3000 lbs	3000 lbs
SPINDLE						
Spindle Nose	Camlock D1-4	Camlock D1-6	Camlock D1-8		Camlock D1-11	
Spindle Bore	1.562"	2.05"	3.15"		4.10"	
Spindle Nose Taper	MT - 4	MT - 4	MT - 5		MT - 6	
Spindle Motor HP (Peak)	7.5 HP	10 HP	15 HP		30 HP	
Spindle Speed (RPM)	100 - 3,000	20 - 2,500	20 - 2,000		20 - 1500	
Speed Ranges	Single Range	Low 10 - 375	Low 10 - 250		Low 20 - 200	
		High 100 - 2,500	High 100 - 2,000		Medium 201 - 675	
Speed Selection	Auto Shift				Manual	
					High 676 - 1500	
TAILSTOCK						
Quill Travel	6.0"	6.0"	6.0"		8.0"	
Quill Diameter	1.97"	2.5"	2.5"		4.1"	
Quill Taper Hole	MT-3	MT-4	MT-4		MT-6	
PERFORMANCE						
Positioning Accuracy	+/-0.0002"					
Position Repeatability	+/-0.0001"					
Resolution	+/-0.00010"					
Rapid Traverse (X,Z)	400 IPM					
Servo Type	AC Digital Brushless					
Axis Thrust (Peak)	3,504 lbs.Z 3,058 lbs. X				10,324 lbs.Z 3,504 lbs. X	
GENERAL INFORMATION						
Air Requirements	90 PSI - 5 CFM					
Coolant Capacity	10 Gallons				28 Gallons	
Coolant Flow	2 GPM					
Power Requirements	40 AMP	40 AMP	50 AMP		70 AMP	
Voltage Requirements	205-245 VAC 3 PHASE (400-480 VAC Optional)					
Shipping Dimensions (WxDxH)	86"x62"x68"	86"x72"x68"	106"x76"x68"	106"x76"x68"	155"(60), 175"(80), 215"(120) x 82 x 78"	
Operating Dimensions (WxDxH)	86"x64"x68"	86"x74"x68"	106"x78"x68"	106"x78"x68"	155"(60), 175"(80), 215"(120) x 82 x 78"	
Machine Weight	4,500 lbs.	6,500 lbs.	7,500 lbs.	8,500 lbs.	13,500 lbs.	15,000 lbs.
		60" 7,000 lbs.	40" 7,000 lbs.	40" 8,000 lbs.	80" 15,000 lbs.	80" 16,500 lbs.
					120" 17,500 lbs.	120" 19,000 lbs.



ET-21

Made In U.S.A.



ET-18



ET-14

Metal Working Fluids



USE  **CIMCOOL**
Global Industrial Fluids AND LOWER



YOUR **BOTTOM LINE** COST

Through our expertise in fluid synergies, we add value to your operations by maximizing your processes.

CIMCOOL® Global Industrial Fluids, a division of Milacron, are the specialist in water-soluble metalworking fluids. These fluids provide excellent lubrication and cooling while being much cleaner to use. They meet the highest international environmental standards, the toughest health & safety regulations and, if applied and maintained properly, can result in a high level of cost savings because parts are easier to clean and chemical waste is reduced.

...

CIMPERIAL® 1070 soluble oil metalworking fluid is a **One-Fluid-All Operations** product. Its' duty range is for "heavy-duty" machining and grinding operations for ferrous and non-ferrous metals. **CIMPERIAL® 1070** contains an extreme pressure additive and has excellent rancidity control.



CIMPERIAL® 1080CFZ is our latest ***Chlorine-free*** soluble oil metalworking fluid. Its' duty range is for "heavy-duty" machining and grinding operations including turning, drilling, tapping, reaming, gear cutting, and broaching on ferrous and non-ferrous metals. It offers excellent rancidity control and is low foaming.

CIMSTAR® 60 semi-synthetic metalworking fluid is recommended for moderate to heavy-duty machining and grinding of ferrous and non-ferrous metals. **CIMSTAR® 60** contains an extreme pressure additive and has excellent rancidity control.

CIMSTAR® QUALSTAR C *Triazine-Free & Chlorine-Free* is a clear, water-soluble semi-synthetic product having good rust control and excellent rancidity control. It is recommended for moderate-duty operations. **CIMSTAR® QUALSTAR C** is recommended for use on cast iron, nodular iron, carbon steels and some non-ferrous metals.

CIMSTAR® 700 is a general-purpose water-soluble semi-synthetic product having good rust and rancidity control. **CIMSTAR® 700** is recommended for light-duty to moderate-duty operations. It is recommended for use on ferrous and non-ferrous metals.

CIMCLEAN® 30 can be used for general-purpose machine and floor cleaning. Use at 1:100 (1%) to 1:25 (4%). **CIMCLEAN® 30** can be used in power washers, steam cleaners and automated floor scrubbers.

Our Specialty Products

- **CIMTAP II**: Water-soluble liquid tapping compound
- **CIMTAP**: Water-soluble paste tapping compound
- **CIMTAP HD**: heavy duty tapping oil
- **CIMGUARD 10**: Water-displacing Corrosion Preventative

...

For more information on our products, please check out our website www.cimcool.ca

Featured Products

The **CIMTECH® 300** Series fluids were developed to eliminate common problems associated with conventional metalworking fluids, such as: Rancidity, Tramp Oil, Poor Tool Life, Dermatitis and Poor Part Visibility.

- **CIMTECH® 304MA *Aerospace Approved*** synthetic metalworking fluid is recommended for light-duty applications.
- **CIMTECH® 310 *Aerospace Approved*** synthetic metalworking fluid is recommended for moderate-duty applications including creepfeed grinding applications.
- **CIMTECH® 320** synthetic metalworking fluid is recommended for heavy-duty applications.

Low foaming • Long Sump Life • Transparent



MILACRON
GLOBAL INDUSTRIAL FLUIDS

CNC Slant bed Lathes

SL-8



SL-10



Lease From
\$1,260 USD.

**\$59,980
USD.**

Lease From
\$1,386 USD.

**\$65,980
USD.**

**\$79,980
USD.**

Lease From
\$1,680 USD.

MACHINE CAPACITY	SL-6	SL-8	SL-10
Swing Over Bed	19"	24"	25"
Max Turning Diameter	11"	12"	20"
Working Length	20"	18"	28"
Distance Between Centers	24"	22"	32"
Optional Distance Between Centers	N/A	32"	N/A
Cross Slide Travel (X)	7"	7.5"	11"
Longitudinal Travel (Z)	21"	19"	29"
Ball Screw Size	1.625" Z - 1.26" X	1.625" Z - 1.26" X	1.625" Z - 1.26" X
Max Part Weight - Unsupported	550 lbs.	750 lbs.	1200 lbs.
Max Part Weight - Supported	2000 lbs	3000 lbs	4000 lbs
SPINDLE			
Spindle Nose	A2-5	A2-6	A2-8
Spindle Bore	2.2"	2.4"	3.54"
Bar Capacity	1.75"	2.0"	3.0"
Hydraulic Chuck Size	6"	8"	10"
Spindle Speed (RPM)	25 - 6,000	25 - 5,000	25 - 4,200
Spindle HP	20	30	40
TAILSTOCK			
Quill Travel	3.15"	3.15"	4.0"
Quill Diameter	3.0"	3.0"	3.5"
Quill Taper Hole	MT-4	MT-4	MT-5
PERFORMANCE			
Positioning Accuracy	+/-0.00010"		
Position Repeatability	+/-0.00005"		
Resolution	+/-0.00005"		
Rapid Traverse (X,Z)	1,200 IPM		
Servo Type	AC Digital Brushless		
Axis Thrust (Peak)	5,504 lbs.Z 3,058 lbs. X		
GENERAL INFORMATION			
Air Requirements	NONE		
Coolant Capacity	40 Gallons		
Coolant Flow	5 GPM		
Power Requirements	50 AMP	60 AMP	100 AMP
Voltage Requirements	205-245 VAC 3 PHASE (400-480 VAC Optional)		
Shipping Dimensions(WxDxH)	86"X62"X68"	86"X72"X68"	106"X76"X68"
Operating Dimensions(WxDxH)	86"X64"X68"	86"X74"X68"	106"X78"X68"
Machine Weight	9,500 lbs.	13,500 lbs.	16,500 lbs.

Features:

- True 45 degree Slant Bed for more complex turning.
- Absolute Encoders, no Homing needed.
- Digital Spindle & axis Motors.
- Custom Macro B with 999 variables.
- Background editing of part program.
- Tool Management & fixture off-sets.
- 8.4 Inch Digital Flat Panel Color Display
- Graphic Display of part program.

GE Fanuc Oi Controller



Indexable Carbide Tooling

Introducing your value-added partner for the long run.

Stellram helps you deliver metalcutting answers right to your customer's shop floor.

When your present cutting tool company can't cut it, Stellram has the tooling systems, specialized knowledge of metallurgy and coating technology to help your customers solve their specific metalcutting problems.

Stellram's expertise is as close as your phone—call us for the metalcutting answers your customers need.



Stellram offers a wide range of insert styles and grades, coated and uncoated, including CVD, PVD, PCD, CBN and cermet.

ISO 9001 Certified



**Metalcutting
answers.**

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Canada Tel: 800-668-6928 • Fax: 800-432-6227

Mexico Tel: 800-713-3398 • Fax: 800-713-1369

Web Site www.stellram.com

We've got the answers your customers need.

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- **Milling**
- **Thread Milling**
- **Drilling**
- **Threading**
- **Grooving & Ultra Mini Grooving**

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- 3J Stainless Steel Geometry
- 1A Finishing Geometry
- PVD Grades for Turning & Milling
- 7702 Copy Milling
- 5315 Long Edge Milling
- VOD 06 Multi-Application Milling Cutter
- Customdrill™ Combination Drill
- Raidrill™ Inserts—100% interchangeable with Allied



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An Allegheny Technologies Company

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High Speed Steel & Carbide Cutting Tools



MACHINING APPLICATION SOLUTIONS

High Performance Tools

Premium grade cutting tools specifically designed for tougher machining and production applications where optimal tool performance and longer tool life is a requirement.

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A full range of high speed steel, cobalt, carbide tipped and solid carbide cutting tools designed for consistent performance in production applications.

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Complete tool design and manufacturing services from blueprint specials to modified regulars.

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A complete selection of high quality cutting tools designed to help maintenance personnel complete their work right the first time.

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We continually evaluate and test new cutting tools and technologies, ensuring availability of the tools you need today and in the future. We welcome your input and ideas for consideration.



DRILLS

END MILLS

MILLING CUTTERS

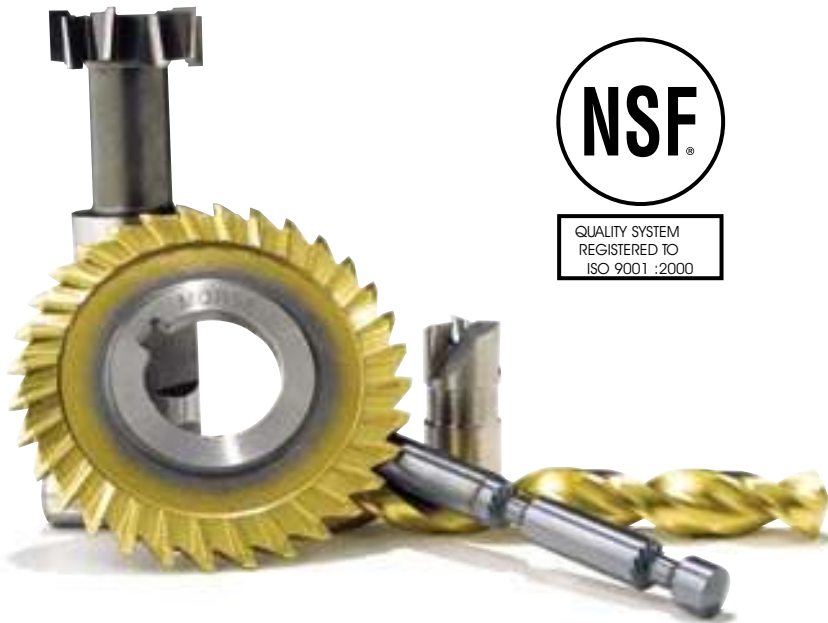
REAMERS

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QUALITY SYSTEM
REGISTERED TO
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Milling & Drilling Machine

Model ZX30

#7259-ZX30

Features:

- 2 Hp. Reversing Motor
- Drilling Capacity of 1-1/4"
- Face Mill Capacity of 3"
- 12 Spindle Speeds (140-2436 Rpm.)
- Precision Fine Down Feed
- Hand Wheels Graduated to .001" Increments
- Head Swings Left - Right
- Head Raises & Lowers on Rack
- Way Cover
- Adjustable Way Gib
- Includes: 1/2" Drill Chuck, Tools, Oiler, Face Mill Arbor
- Warranty - 1 year parts



Lease from
\$53.30/mth.

\$1,499



Specifications

Capacity - Drilling	1-1/4"
Capacity - Face Milling	3"
Motor	2Hp.
Spindle Speeds	12 (140-2436 Rpm)
Spindle Travel	4.75"
Spindle Taper	R8
Table Size	28.75" x 8.25"
Table Travel	19.70" x 9.00"
Voltage	110/220V, 1Ph. 60Hz.
Weight	660Lbs.

Optional - Steel Stand

- Metal Stand
- Complete with Leveling Pads
- Door With Shelf Inside For Tool Storage

\$189

Optional - Power X-Axis Table Feed

- Align Power Table Feed
- Infinitely Variable Feed Rates
- Power Feed in Both Left & Right Directions
- Adjustable Automatic Shut-off
- Fast Jogging Speed With a Press Of The Button

\$569



Optional - Cast Iron Stand

- Solid Heavy Cast Iron Base
- Massive Support & Vibration Dampening

\$299

*All lease rates are OAC. and based on 36 mth. term with 10% buyout. Taxes & Insurance extra.

Knee Milling & Drilling Machine

Model X5015

#7259-X5015



**Head Swivels
Left & Right**

Includes Steel Stand

Features:

- ❑ Swing Mounted Control Panel
- ❑ Halogen Worklight
- ❑ Head Swivels Right & Left to 90 Degrees
- ❑ Head Rotates Around Column 360 Degrees
- ❑ Solid Steel Stand With Storage Cabinet & Panned For Coolant Usage
- ❑ Micro Quill Feed
- ❑ Locking of Quill
- ❑ Adjustable Way Gibs
- ❑ Measurement Scale on X axis Travel
- ❑ Solid Cast Iron Belt Cover
- ❑ Oil Spouts Provide Easy Access To Lubricate Table Ways
- ❑ Hydro Certified
- ❑ Manual, Toolbox
- ❑ One Year Warranty Parts

Specifications

Table	Table Size	26"x6"
	Longitudinal Travel	14.5"
	Cross Travel	6"
	# of T-Slots & Size	3, 1/2"
Head	Main Motor	1-1/2 Hp.
	Rotates Around Column	360 deg.
	Moves R/L	90 deg.
Spindle	Spindle Drive	9 Speeds
	Spindle Speeds	230-2520
	Spindle Taper	R8
	Spindle To Table Surface	0"-12.6"
	Quill Travel	2.75"
	Knee Travel	7.75"
	Voltage	110/220V, 1Ph. 60Hz.
	Weight	575Lbs.

**Lease from
\$70.⁴¹/mth.***

\$1,999

*All lease rates are OAC, and based on 39 mth. term with 10% buyout. Taxes & Insurance extra.

Gearhead Drill/Mill

Gearhead Milling & Drilling Machine

Model ZX40A

#7259-ZX40A

**Lease from
\$71.69/mth.**

\$2,899

MET TECH



Shown With Optional Steel Stand

**Head Swivels up to
90°Left & up to
90°Right**

- 1.5Hp. Reversing Motor
- Drilling Capacity of 1-1/2"
- Face Mill Capacity of 3-1/4"
- 6 Quickly Adjustable Spindle Speeds (90-1970 Rpm.) With a Simple Flip Of A Lever
- Powerful Gear Head Drive
- Precision Fine Down Feed
- Hand Wheels Graduated to .001" Increments
- Head Swivels Left & Right Up To 90°
- Head Raises & Lowers On Precision Guide Way
- Way Cover
- Adjustable Way Gib
- Includes: 1/2" Drill Chuck, Tools, Oiler, Face Mill Arbor
- Warranty - 1 year parts

Specifications

Capacity - Drilling	1-1/2"
Capacity - Face Milling	3-1/4"
Motor	1.5Hp.
Spindle Speeds	6 (90-1970 Rpm)
Spindle Travel	4.75"
Spindle Taper	R8
Table Size	28.75" x 8.25"
Table Travel	19.70" x 10.60"
Voltage	110/220V, 1Ph. 60Hz.
Weight	660Lbs.

Optional - Steel Stand

- Metal Stand
- Complete with Leveling Pads
- Door With Shelf Inside For Tool Storage

\$189

Optional - Power X-Axis Table Feed

- Align Power Table Feed
- Infinitely Variable Feed Rates
- Power Feed in Both Left & Right Directions
- Adjustable Automatic Shut-off
- Fast Jogging Speed With a Press Of The Button

\$569



Optional - Cast Iron Stand

- Solid Heavy Cast Iron Base
- Massive Support & Vibration Dampening

\$299

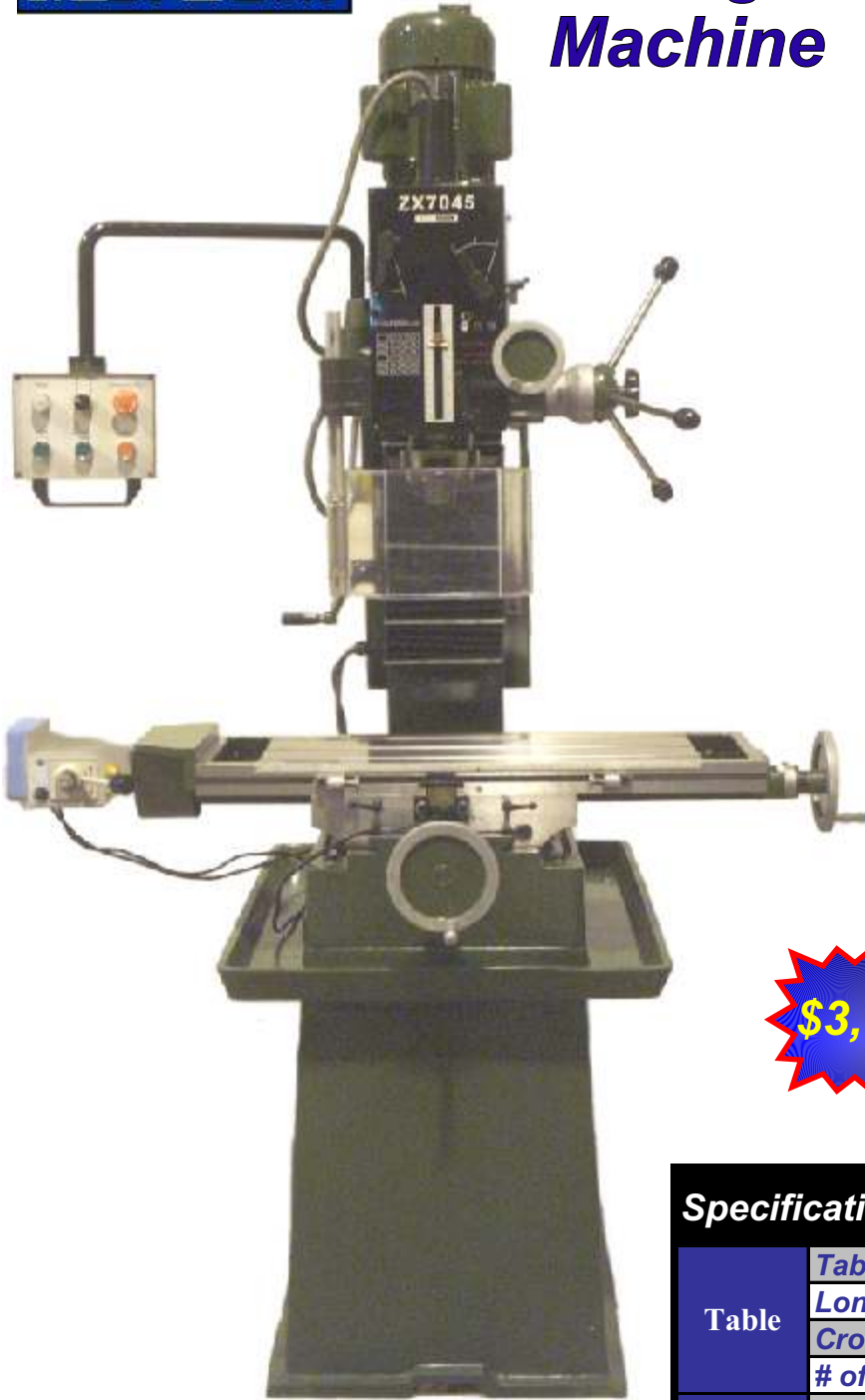
*All lease rates are OAC. and based on 60 mth. term with 10% buyout. Taxes & Insurance extra.

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Milling & Drilling Machine Model ZX7045 #7259-ZX7045



Features:

- ❑ Powered Head Raise & Lower
- ❑ Powered X-axis Longitudinal Feed
- ❑ Swing Mounted Control Panel
- ❑ Adjustable Chipguard
- ❑ All Geared Power Transmission
- ❑ Head Swivels Right & Left to 90 Degrees
- ❑ Solid Cast Iron Stand
- ❑ Micro Quill Feed
- ❑ Locking of Quill
- ❑ Adjustable Way Gibs
- ❑ Electrical Box, Hydro Certified
- ❑ Manual, toolbox
- ❑ One Year Warranty Parts

\$3,990

Head Swivels
Left & Right To
90 degrees



**Lease from
\$98.⁴¹ /mth.***

Specifications

Table	Table Size	31.5" x 9.5"
	Longitudinal Travel	22.25"
	Cross Travel	9"
	# of T-Slots & Size	3, 5/8"
Head	Main Motor	1-1/2 Hp.
	Moves R/L	90 deg.
Spindle	Spindle Drive	6 Speeds
	Spindle Speeds	90-1970
	Spindle Taper	R8
	Quill Travel	4.72"
	Voltage	220V, 1Ph. 60Hz.
	Weight	1,300Lbs.

Gearhead Knee Mill

Vertical Gearhead Knee Mill

Model ZX7550C

#7259-ZX7550C



Features:

- Ram Travels In & Out Front to Back over 11"
- Ram Rotates Around Base 90° In Both Directions
- Halogen Worklight
- Flood Coolant System
- Optional Power Table Feed Available
- All Geared Power Transmission, No Belts!
- Head Swivels Right & Left to 90 Degrees
- Micro Quill Feed
- Locking of Quill
- Adjustable Way Gibs
- Electrical Box, Hydro Certified
- Manual, toolbox
- One Year Warranty Parts

Shown With Optional Power Table Feed

\$3,990

Specifications

Table	Table Size	31.5" x 9.5"
	Longitudinal Travel (X)	15.125"
	Cross Travel (Y)	10"
	Knee Travel (Z)	14.5"
	# of T-Slots & Size	3, 5/8"
Head	Main Motor	2 Hp.
	Moves R/L	90 deg.
Spindle	Spindle Drive	4 Speeds
	Spindle Speeds	280, 700, 860, 2100
	Spindle Taper	R8
	Quill Travel	4.72"
	Voltage	220V, 1Ph. 60Hz.
	Weight	1,350Lbs.

Lease from
\$98.⁴¹/mth.*

METTECH

Vertical Knee Mill

ISO9002 Quality Assurance System Approved

230-S

Lease from
\$144.36/mth.



9" x 49"

Lease from
\$168.36/mth.

230-V

\$6,990



\$5,990

Specifications

Table	Table Size	9" x 49"
	Longitudinal Travel	36"
	Cross Travel	12"
	Vertical Knee Travel	16"
	Ram Travel	12"
	# of T-Slots & Size	3, 5/8"
Head	Main Motor	3Hp.
	Moves R/L	90 deg.
	Tilts F/B	45 deg.
Spindle	Spindle Drive	Infinitely Variable (230-V) Step Pulleys Combined With Quick Gear Changes (230-S)
	Spindle Drive	60-4200 Infinitely Variable (230-V)
	Spindle Speed	3Ph. 16-(80-5440 Rpm.) 1Ph. 8-(80-2720) (230-S)
	Spindle Taper	R8
Quill	Power Quill Feed	.0015, .003, .006 lpr.
	Quill Diameter	3-3/8"
	Quill Travel	5"
	Voltage	220V, 3Ph. or 1Ph. 60Hz.
	Weight	2,220Lbs.

Features:

- 3hp Reversing Motor
- Flood Coolant System
- Chip Pan
- Work Light
- Align X-axis Power Table Feed
- 230-V Speeds: Infinitely Variable (60-4200 Rpm)
- 230-S Speeds: 3 Phase 16 (80-5400 Rpm)
- 230-S Speeds: 1 Phase 8 (80-2720 Rpm)
- Head Tilts Front/Back 45°
- Heads Moves Left/Right 90°
- R8 Spindle Taper Precision Ground
- Mehanite Casting
- Hardened & Ground Work Table
- Hardened & Ground Slideways X & Y axis
- Box Way on Y-Axis for Extra Rigidity
- Chromed & Ground Quill
- Power Down Feed
- One Shot Lubrication
- With Quality Assurance Certification ISO 9002 Approved
- Toolbox, & Manuals, Warranty - 1 year parts

Vertical Knee Mill

ISO9002 Quality Assurance System Approved

Millport

12" x 54" 13" x 54"



X6330 Shown

Features:

- Hardened & Ground guideways
- Hardened & Ground worktable
- Chromed & Ground quill
- Mehanite casting
- Powerful 5Hp. Reversing motor
- Rectangular Box guideways Y & Z axis
- Chip Tray
- Flood coolant system
- Work light
- One shot lubrication to all ways
- Power down feed
- Powered Knee Lift
- Powered X-axis
- Powered Y-axis
- Tolerance Inspection Report
- Electrical Box, Hydro Certified
- Manual, toolbox
- One Year Warranty Parts

Lease From
\$278.⁸⁵/mth.

Lease From
\$291.⁸⁵/mth.

\$12,390

\$12,999

Powered Knee Lift, One Shot Lubrication



Tooling Packages Available To Suit Your Needs!

Specifications		X6330	X6333
Table	Table Size	12" x 54"	13" x 54"
	Longitudinal Travel	30-3/8"	39-3/8"
	Cross Travel	15"	
	Vertical Knee Travel	14-1/8"	18-1/8"
	# of T-Slots & Size	3, 5/8"	
Head	Main Motor	5Hp.	
	Moves R/L	90 deg.	
	Tilts F/B	45 deg.	
Spindle	Spindle Drive	Infinitely Variable Speed	
	Spindle Speed	50-3750	
	Spindle Taper	ISO #40	
Quill	Power Quill Feed	.0016, .0032, .0053 lpr.	
	Quill Diameter	4-1/8"	
	Quill Travel	5"	6"
Voltage		220V, 3Ph. 60Hz.	
Weight		3,520 Lbs.	5,000 Lbs.



10" x 50"

\$9,990

**We Provide
The Best
Milling
Consultation
In The
Industry!**

**Lease from
\$240.³⁶ /mth.**

Shown With Optional X
Axis Power Feed



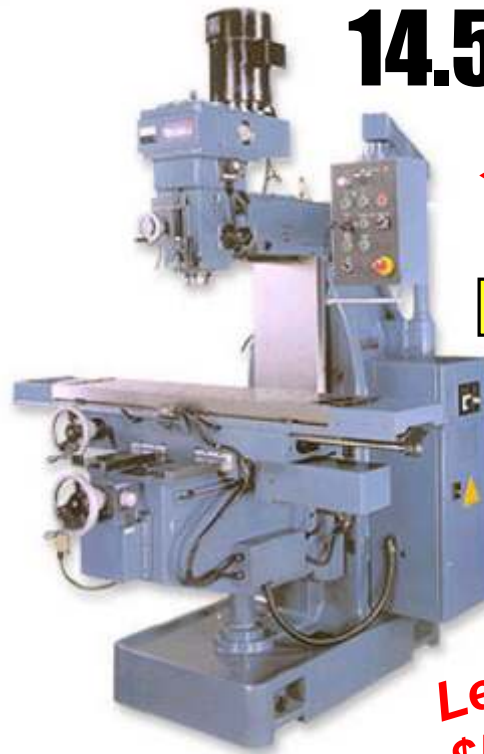
PBM-4EVS

14.5" x 50"

\$26,990

**Ball Screw
X & Y
Axis!**

**Lease from
\$581.³⁶ /mth.**



PBM-EVS500A

Features:

- Heavy Duty Box Way Construction
- Turcite b slide way on X&Y axis
- One shot lubrication, Coolant system

Features:

- Class c5 ball screws on X&Y axis
- Turcite b slide way on X&Y axis
- Vertical head autolube pump, Coolant system

Specifications

PBM-4EVS

PBM-EVS500A

		PBM-4EVS	PBM-EVS500A
Table	Table Size	10"x50"	14.5" x 50"
	Travel - Manual (X,Y,Z)	30.5"x15.75"x16"	36.6"x20.47"x14.2"
	Travel - Auto (X, Y, Z)	27.5"x15.75"x16"	36.22"x19.69"x14.2"
	# of T-Slots & Size	3 - 16mm.	3 - 18mm.
Feeds	X & Y Axis	optional	1.1-118 IPM.
	Z Axis Rapid	optional	45 IPM.
Head	Main Motor	3Hp Inverter	5Hp Inverter
	Moves R/L	45 deg.	45 deg.
	Tilts F/B	45 deg.	N/A
Feed Motors	X & Y Axis	optional	750W AC Servo
	Z Axis	optional	1Hp. (optional Servo)
Spindle	Spindle Drive	AC Inverter Motor	AC Inverter Motor
	Spindle Speed	60-3600 (infinitely adjustable)	60-3600 (infinitely adjustable)
	Spindle Nose To Table	1.57"-16.00"	0"-19.69"
	Spindle Center To Column	7.87"-26.77"	7.28"-27.00"
	Spindle Taper	R8 or NST#30	NST#40
Quill	Power Quill Feed	.0016, .0032, .0060 lpr.	.0014, .0028, .0055 lpr.
	Quill Travel	5"	5.5"
	Voltage	220V, 3Ph. 60Hz.	220V, 3Ph. 60Hz.
	Dimensions (LxWxH)	58.25"x59"x92.5"	73.6"x67"x90"
	Weight	2,850 Lbs.	5,000 Lbs.

**AC Inverter Drives
provide high
torque at all
speeds & Infinitely
adjustable speed
with a turn of the
knob!**

**Flexible
Financing
Available To
Suit Your
Needs!**

Horizontal/Vertical Knee Mill

PBM-GVS300A

12" x 50"

\$25,990



Shown With Optional Air Powered Drawbar

Lease from \$559.⁸⁶ /mth.

Call Today For...

PBM-GEVS500A

14.5" x 50"

\$29,990



Lease from \$645.⁸⁶ /mth.

...Any Type Of Tooling!



Specifications		PBM-GVS300A	PBM-GEVS500A
Table	Table Size	12"x50"	14.5" x 50"
	Travel - Manual (X,Y,Z)	36.6"x15.75"x17.7"	36.6"x20.47"x17.3"
	Travel - Auto (X, Y, Z)	36.2"x15.0"x17.7"	36.2"x19.69"x16.5"
	# of T-Slots & Size	3 - 16mm.	3 - 18mm.
Feeds	X axis	.86-15 IPM.	1.1-118 IPM.
	X axis Rapid Traverse	50 IPM.	118 IPM.
	Y axis	1.96-86 IPM.	1.1-118 IPM.
	Z axis Rapid	17 IPM.	45 IPM.
Head	Moves R/L	45 deg.	45 deg.
	Tilts F/B	N/A	N/A
Feed Motors	X axis	3/4 Hp.	750W AC Servo
	Y axis	1/2 Hp.	750W AC Servo
	Z Axis Rapid	1/2 Hp.	1Hp. (optional Servo)
Vertical Spindle	Spindle Drive	5 Hp. Variable Speed Pulley	5 Hp. AC Inverter Motor
	Spindle Speed (RPM.)	80-3800 (infinitely adjustable)	60-3600 (infinitely adjustable)
	Spindle Nose To Table	3.74"-21.46"	3.34"-19.9"
	Spindle Center To Column	7.48"-27.17"	7.28"-30.9"
	Spindle Taper	NST#40	NST#40
Horizontal Spindle	Spindle Drive	5 Hp. - 9 Steps	5 Hp. - 9 Steps
	Spindle Speed (RPM.)	65-1500	65-1500
	Spindle To Bottom Of Ram	6.80"	6.89"
	Spindle Center To Table	0-17.7"	-0.98-"15.55"
Quill	Spindle Taper	NST#40	
	Power Quill Feed	.0014, .0028, .0055 lpr.	.0014, .0028, .0055 lpr.
	Quill Travel	5.5"	5.5"
	Voltage	220V or 575V, 3Ph. 60Hz.	220V or 575V, 3Ph. 60Hz.
	Dimensions (LxWxH)	68.5"x63.5"x79"	81.5"x75.8"x98.3"
	Weight	5,400 Lbs.	5,830 Lbs.

Features:

- ▣ Class c5 ball screws on X&Y axis (*PBM-GEVS500A*)
- ▣ Turcite b slide way on X&Y axis
- ▣ Table up/down Rapid
- ▣ Vertical head autolube pump
- ▣ Slideway auto lubrication pump
- ▣ Swing arm control console
- ▣ Massive solid precision ground square box ways provide maximum rigidity
- ▣ Coolant System wit 1/8 Hp. Pump
- ▣ AC Inverter vertical spindle drive provides high torque at all speeds & infinitely adjustable speed with a turn of the knob (*PBM-GEVS500A*)
- ▣ AC servo feeds provide infinitely adjustable feeds with a turn of the knob, no gear changes required (*PBM-GEVS500A*)

Frequency Drive Bed Mill

15.75" x 55" Bed Mill



\$21,990



#7428-XA7140

**Powerful 10HP.
Infinitely Variable
Frequency Drive
Motor**

**Lease from
\$498.10/mth.**

Features:

- Hardened & Ground guideways on all axes
- Hardened & Ground worktable
- Chromed & Ground quill
- MECHANITE Cast Iron Construction
- Powerful 10Hp. Frequency Drive Motor
- Geared Power Feeds
- Head swivels $\pm 30^\circ$
- Rectangular Box guideways Y & Z axis
- Flood coolant system
- Halogen Work light
- One shot lubrication to all ways
- Powered Head Lift (to 65 IPM)
- Geared Powered X-axis
- Geared Powered Y-axis
- Electrical Box, Hydro Certified
- Manual, toolbox
- One Year Warranty Parts

Specifications

Table	Table Size	15.75" x 55"
	Longitudinal X Axis Travel	31.5"
	Cross Y Axis Travel	15.75"
	Vertical Z Axis Travel	23.5"
	Spindle Nose To Table	6" - 25.5"
	Spindle Nose To Column	20"
	# of T-Slots & Size	3, 1/2"
Head	Main Motor	10 Hp.
	Moves R/L	30 deg.
Spindle	Spindle Drive	Frequency Drive
	Quill Travel	4"
	Spindle Speed	40-1800 Rpm.
	Spindle Taper	ISO #50
Feeds	X Axis	.75-25 IPM (9 Steps)
	Y Axis	.75-25 IPM (9 Steps)
	Voltage	220V, 3Ph. 60Hz.
	Dimensions	90"x70"x84"
	Weight	8,070 Lbs.

*All lease rates are OAC. and based on 60 mth. term with 10% buyout. Taxes & Insurance extra.

Vertical Bed Mills

Features:

- Air Powered Drawbar (*PBM-5VSB*)
- Coolant System with 1/8 Hp. pump
- X, Y, Z ball screw (*PBM-ST300*)
- X, Y, Z Servo feeds (*PBM-ST300*)
- Swing arm control console
- Extra large vertical capacity machines



Specifications		PBM-5VSB	PBM-VST300	PBM-ST300
Table	Table Size	10"x50"	14.5" x 50"	
	Travel - Manual (X,Y,Z)	30.5"x16.9"x25.6"	36.6"x16.9"x23.6"	
	Travel - Auto (X, Y, Z)	27.5"x16.1"x23.6"	36.2"x16.1"x22.8"	
Feeds	# of T-Slots & Size	3 - 16mm.		
	X Axis	Align Servo Power Feeds	6 steps (.86-15.2 IPM.)	1.1-118 IPM.
	X Axis Rapid		49 IPM.	118 IPM.
	Y Axis		optional	1.1-118 IPM.
Z Axis Rapid	26.7 IPM.		26.8 IPM.	1.1-86.6 IPM.
Head	Main Motor	5Hp Var. Speed Pulley	3Hp Inverter	5Hp Inverter
	Moves R/L	45 deg.	45 deg.	N/A
Feed Motors	X Axis	optional	3/4 Hp.	750W AC Servo
	Y Axis	optional		750W AC Servo
	Z Axis	1/2 Hp.	1/2 Hp.	850W AC Servo
Spindle	Spindle Drive	Variable Speed Pulley	AC Inverter Motor	
	Spindle Speed	80-3800 (infinitely adjustable)	60-3600 (infinitely adjustable)	60-1500 (infinitely adjustable)
	Spindle Nose To Table	4.33"-27.95"	3.14"-26.77"	3.14"-26.77"
	Spindle Center To Column	17.72"	17.72"	17.72"
	Spindle Taper	NST#40		
Quill	Power Quill Feed	.0016, .0032, .0060 lpr.	.0014, .0028, .0055 lpr.	N/A
	Quill Travel	5"	5.5"	N/A
	Voltage	220V or 575V, 3Ph. 60Hz.		
	Dimensions (LxWxH)	71.6"x58.5"x91.7"	73.6"x58.5"x91.7"	73.6"x62.4"x90.2"
	Weight	5,060 Lbs.	5,610 Lbs.	5,720 Lbs.
Price		\$16,990	\$23,990	\$28,990
Lease From/Mth.		\$391.35	\$543.30	\$624.36



PBM-5VSB

Digital Read-out Demos Available in Our Showroom...



PBM-VST300

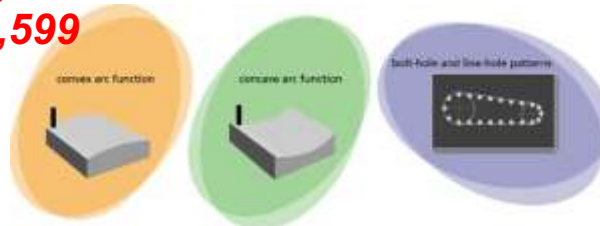
Come Down Today!!!



PBM-ST300

2 Axis Mill Pckg - \$1,299
3 Axis Mill Pckg - \$1,599

*Installation Extra



Features:

- Bolt hole patterns
- Line hole patterns
- Concave arc function
- Convex arc function
- Multiple co-ordinate systems
- Cartesian/polar co-ordinate systems
- Probe sensor input
- Knee or Quill Axis (*optional 3rd axis*)
- Absolute/Incremental, Inch/mm units of measurement
- Marker(index) machine error compensation (MEC)
- "Learn Mode" programming
- Print function (*optional*)
- Display Modes: fine/coarse, diameter/radius
- Fast Processor, Non-Volatile Memory
- Resolutions: 1um, 2um, 5um, 10um (0.00005", 0.0001", 0.0002", 0.0005")
- Action Support™
- Made in USA.
- The first thing you notice about the MillPro™ is its beauty & quality, then you discover its impressive power & capabilities.
- Designed to make your work easier and more productive, the MillPro™ has a full keypad that puts all of the DRO functions at your finger tips. The MillPro™ is affordably priced and is backed by Sargon's legendary ActionSupport.™

Newall Digital Readouts

2 Axis Milling Package - \$1,799
3 Axis Milling Package - \$2,399

**Installation Extra*

NEW!

Newall's NEW C80 DRO System offers exceptional value with leading edge technology and productivity enhancing features for the same price as a basic DRO.

Features Include:

- Downloadable software upgrades
- Feed rate display
- Bolt hole circle routine
- Programmable memory
- Zero approach warning
- Arc contouring
- Line hole routine
- Polar coordinate readings
- Taper calculations
- Tool offset library
- Segmented error compensation



Digital Readout Systems • Linear Encoders

1778 Dividend Drive • Columbus, OH 43228
614.771.0213 tel • 800.229.4376 • 614.771.0219 fax



CNC 3 Axis Toolroom Mills With Quill



Control Features:

- Anilam 3000 with 12" Digital Flat Panel Color Display
- 8.0 GB Part Storage
- 16 MB RAM Buffer Memory
- 3.5" Floppy Drive
- High Speed DSP Processor - 1,000 Blocks/Sec.
- Menu Style Conversational Programming
- DXF File Input Feature with touch screen
- Scaling, Rotation, Mirror Image, Helical, Engraving, Event Repeat, Mill Cycle
- Teach Mode with DRO display
- Reads Standard G & M code
- 3D graphics with zoom & rotate

Machine Features:

- Box Way Construction with Turcite B
- Double Nut Ballscrews
- High Torque Vector Spindle
- All Axes Laser Calibrated & Ballbar Verified
- AC Brushless motors & drives
- Rear Splash Guards & Bottom Drip Pan
- Automatic Lube system with low lube fault
- Manual handwheels for table & saddle
- Precision Balanced spindle & gearbox
- Hardened & Ground Table
- 6" Manual Quill Travel
- Precision +/-0.0002" Entire travel

Equipped with a manual quill & manual handwheels gives you the flexibility to use in manual, semi-CNC or full CNC modes.



Lease From
\$796 USD.
\$36,980 USD.

Lease From
\$817 USD.
\$37,980 USD.

Lease From
\$989 USD.
\$45,980 USD.

Lease From
\$1,054 USD.
\$48,980 USD.

MACHINE CAPACITY	MB-11	MB-14	MB-15	MB-16
X Travel	30"	40"	50"	60"
Y Travel	20"	20"	25"	25"
Z Travel	21"	21"	24"	24"
Table Load (Evenly Distributed)	1,650 lbs.	1,650 lbs.	1,950 lbs.	1,950 lbs.
TABLE				
Table Size	16" x 50"	16" x 54"	17" x 63"	18" x 70"
T-Slots (No./Width)	3 / .625"	3 / .625"	5 / .625"	5 / .625"
Table Top to Floor	33"	33"	36"	36"
SPINDLE				
Motor Horse Power (Peak)	10 HP	10 HP	12HP	12 HP
Spindle Speed (RPM)	60-4,500	60-4,500	60-4,500	60-4,500
Speed Ranges	2 Speed Gear Box			
Tool Type/Taper	CAT 40 (NST 40 or BT 40 Optional)			
Quill Diameter	4.125"	4.125"	4.330"	4.330"
Quill Travel	6.0"	6.0"	6.0"	6.0"
Spindle Nose to Table (Max-Min)	26"-4"	26"-4"	30"-6"	30"-6"
Spindle Center to Column (Throat)	20"	20"	25"	25"
Head Swivel	90°	90°	90°	90°
PERFORMANCE				
Positioning Accuracy	+/-0.0002"	+/-0.0002"	+/-0.0002"	+/-0.0002"
Position Repeatability	0.0001"	0.0001"	0.0001"	0.0001"
Resolution	0.0001"	0.0001"	0.0001"	0.0001"
Rapid Traverse	200 IPM ANILAM / 100 IPM MILLPWR			
Cutting Feed Rate	.001-200 IPM - ANILAM / .001-100 IPM MILLPWR			
Feed Rate Override	0-120%			
Axis Thrust (Peak)	4,000 lbs.			
GENERAL INFORMATION				
Air Pressure Requirements	85 PSI - 3 CFM			
Coolant Capacity	12 Gallons			16 Gallons
Coolant Flow	2 GPM			
Power Requirements	30 AMP 208-240 VAC 3 Phase and 110 VAC Line for Control			
Optional Power	15 AMP 400-480 VAC 3 Phase and 110 VAC Line for Control			
Single Phase Power	30 AMP 208-240 VAC 1 Phase and 110 VAC Line for Control			
Machine Warranty	One Year Parts and Labor			
Shipping Dimensions (WxDxH)	56"x76"x82"	60"x76"x82"	68"x82"x88"	76"x82"x88"
Operating Dimensions (WxDxH)	103"x76"x101"	113"x76"x96"	160"x82"x105"	170"x82"x105"
Machine Weight	5,600 lbs.	6,000 lbs.	8,000 lbs.	8,800 lbs.

3 Axis CNC Rigid Head Mills

MB-10 R



Shown with Optional Tool Changer

MB-14 R



Shown with Optional Tool Changer

MB-15 R



**Optional GE Fanuc
Oi Control**

Lease From
\$688 USD.

**\$31,980
USD.**

Lease From
\$839 USD.

**\$38,980
USD.**

Lease From
\$1,011 USD.

**\$46,980
USD.**

MACHINE CAPACITY	MB-10 R	MB-14 R	MB-15 R
X Travel	32"	40"	50"
Y Travel	17"	20"	25"
Z Travel	19"	21"	24"
Table Load (Evenly Distributed)	1,500 LBS	1,500 LBS	1,500 LBS
TABLE			
Table Size	50" x 14"	16" x 54"	17" x 63"
T-Slots (No./Width)	3 / .625"	3 / .625"	3 / .625"
Table Top to Floor	31"	33"	36"
SPINDLE			
Motor (Peak)	12 HP	12 HP	12 HP
Spindle Speed (RPM)	6,000 RPM	6,000 RPM	6,000 RPM
Tool Type/Taper	CAT-40 (BT-40 OPTIONAL)		
Spindle Nose to Table (Max-Min)	23" - 4"	26" - 4"	28" - 4"
Spindle Center to Column	17.5"	20"	25"
AUTOMATIC TOOL CHANGER			
Tool Storage Capacity	12	12	12
Tool Change Time	9 Seconds	9 Seconds	9 Seconds
Tool Selection	Bi-Directional	Bi-Directional	Bi-Directional
Max. Adjacent Tool Diameter	3.0"	3.0"	3.0"
Max. Tool Weight	15.4 LBS	15.4 LBS	15.4 LBS
Max. Tool Length	11"	11"	11"
PERFORMANCE			
Positioning Accuracy	+/-0.0002"	+/-0.0002"	+/-0.0002"
Position Repeatability	+/-0.0001"	+/-0.0001"	+/-0.0001"
Resolution	0.0001"	0.0001"	0.0001"
Rapid Traverse	400 IPM	400 IPM	400 IPM
Cutting Feed Rate	.001 - 300 IPM	.001 - 300 IPM	.001 - 300 IPM
Axis Thrust (Peak)	2,500 LBS	2,500 LBS	2,500 LBS
GENERAL INFORMATION			
Air Pressure Requirements	90 PSI - 5 CFM	90 PSI - 5 CFM	90 PSI - 5 CFM
Coolant Capacity	15 GALLONS	15 GALLONS	15 GALLONS
Coolant Flow	3 GPM	3 GPM	3 GPM
Power Requirements	30 AMP 208-240 VAC 3 Phase and 110 VAC Line for Control		
Optional Power	15 AMP 400-480 VAC 3 Phase and 110 VAC Line for Control		
Shipping Dimensions (WxDxH)	60"x67"x75"	60"x76"x85"	68"x82"x90"
Operating Dimensions (WxDxH)	103"x67"x98"	113"x76"x98"	160"x82"x105"
Machine Weight	5,000 LBS	7,000 LBS	9,000 LBS

Control Features:

- Anilam 3000 with 12" Digital Flat Panel Color Display
- 8.0 GB Part Storage
- 16 MB RAM Buffer Memory
- 3.5" Floppy Drive
- High Speed DSP Processor - 1,000 Blocks/Sec.
- Menu Style Conversational Programming
- DXF File Input Feature with touch screen
- Scaling, Rotation, Mirror Image, Helical, Engraving, Event Repeat, Mill Cycle
- Teach Mode with DRO display
- Reads Standard G & M code
- 3D graphics with zoom & rotate

Machine Features:

- Box Way Construction with Turcite B
- Double Nut Ballscrews
- High Torque Vector Spindle
- All Axes Laser Calibrated & Ballbar Verified
- AC Brushless motors & drives
- Rear Splash Guards & Bottom Drip Pan
- Automatic Lube system with low lube fault
- High Speed Spindle 100-6,000 Rpm.
- Hardened & Ground Table
- Rigid Fixed Spindle
- Precision +/-0.0002" Entire travel

CNC Open Bed Machining Centers

VB-100

Lease From
\$2,021 USD.

**\$93,980
USD.**



VB-80

**\$86,980
USD.**



Lease From
\$1,871 USD.

Control Features:

- Anilam 6000 with 12" Digital Flat Panel Color Display
- Fully Digital Control - Drive System
- 10.0 GB Part Storage, 16 MB RAM Buffer Memory
- 3.5" Floppy Drive
- High Speed DSP Processor - 1,300 Blocks/Sec.
- Menu Style Conversational Programming
- DXF File Input Feature with touch screen
- Scaling, Rotation, Mirror Image, Helical, Engraving, Event Repeat, Mill Cycle
- User Defined Macros
- Reads Standard G & M code
- 3D graphics with zoom & rotate

- Box Way Construction with Turcite B
- Double Nut Ballscrews
- Digital High Torque Vector Spindle
- Digital AC Brushless Servo Drives
- 6" - 5 bearing Spindle Cartridge - 8,000 Rpm.
- All Axes Laser Calibrated & Ballbar Verified

Lease From
\$1,226 USD.

**\$56,980
USD.**



VB-60

**Optional GE Fanuc Oi
Control**

VB-50

**\$53,980
USD.**



Lease From
\$1,161 USD.

Shown with Optional 24 Arm Type Tool Changer

**\$46,980
USD.**

Lease From
\$1,011 USD.



VB-40



MACHINE CAPACITY	VB-40	VB-50	VB-60	VB-80	VB-100
X Travel	40"	50"	60"	80"	100"
Y Travel	20"	30"	30"	35"	35"
Z Travel	23"	24"	28"	26"	26"
Table Load (Evenly Distributed)	3,500 lbs.	4,000 lbs.	4,000 lbs.	5,000 lbs.	5,000 lbs.
TABLE					
Table Size	16"x54"	20"x63"	24"x73"	30"x93"	30"x112"
T-Slots (No./Width)	5 / .625"	5 / .625"	5 / .625"	5 / .625"	5 / .625"
Table Top to Floor	34"	32"	32"	35"	35"
SPINDLE					
Motor HP(PEAK)	20.0 HP (30.0 HP Optional)				
Spindle Speed (RPM)	60-8,000 RPM (10,000 and 12,000 RPM Refrigerated Optional)				
Speed Ranges	1 Range (2 Speed Gear Box Optional)				
Tool Type/Taper	CAT 40 or BT-40				
Spindle Nose to Table	25" - 2"	26" - 2"	30" - 2"	28" - 2"	28" - 2"
Spindle Center to Column	21"	30.5"	30.5"	36"	36"
AUTOMATIC TOOL CHANGER					
Tool Storage Capacity	20 (24 Arm Type Optional)				
Tool Change Time	7 Seconds (2.5 seconds Optional)				
Tool Selection	Random Bi-Directional				
Max. Adjacent Tool Diameter	3.20"				
Max. Tool Weight	13.5 lbs.				
Max. Tool Length	15"				
PERFORMANCE					
Positioning Accuracy	+/-0.0002"				
Position Repeatability	+/-0.0001"				
Resolution	0.0001"				
Rapid Traverse	1,000 IPM X,Y	700 IPM Z		600	500
Cutting Feed Rate	.001-600 IPM				
Servo Type	AC Digital Brushless				
Axis Thrust (Peak)	3,3174 lbs. XY 5,395 lbs. Z				
GENERAL INFORMATION					
Air Pressure Requirements	90 PSI 5 CFM				
Coolant Capacity	20 Gallons				
Coolant Flow	3 GPM				
Operating Temperatures	Min xx - Max xx				
Power Requirements	60 AMP 205-245 VAC 3 PHASE (430-500 VAC Optional)				
Shipping Dimensions	60"x76"x82"	70"x92"x87"	83"x92"x92"	100"x94"x96"	120"x94"x96"
Operating Dimensions	117"x80"x100"	160"x100"x105"	170"x100"x110"	220"x110"x110"	240"x110"x110"
Machine Weight	9,500 lbs.	13,500 lbs.	15,000 lbs.	18,500 lbs.	20,500 lbs.

5 Axis CNC Machining Centers

SX-40



Machine Features:

- Box Way Construction with Turcite B
- Double Nut Ballscrews
- Digital High Torque Vector Spindle Drive
- All Axes Laser Calibrated & Ballbar Verified
- Digital AC Brushless motors
- Weiss Motorized Spindle Cartridge
- High Precision Rotary Head
- Automatic Lube system with low lube fault
- Hardened & Ground Table

Lease From
\$2,730 USD.

Lease From
\$2,940 USD.

Lease From
\$3,990 USD.

**\$129,980
USD.**

**\$139,980
USD.**

**\$189,980
USD.**



**Optional GE Fanuc
18i MB5 Control**

Control Features:

- Open Architecture Design
- 15" Color Flat Panel Display
- High Speed Network Interface - 100 MPS
- 20.0 Gigabyte Part Storage Memory
- USB Jump Drive
- High Speed Processor - 2,500 Blocks/Sec.
- AC Digital Servo Drives & Motors
- Windows XP Operating System
- Fanuc Compatible G & M Codes
- Touch Screen Activated Menus
- Rotary Tool Center Point Compensation
- Scaling, Rotation, Mirror Image, Helical
- User Defined Macros
- 3D Graphics With Zoom & Rotate
- Large File Edit With Any Point Start

**Machines Can Be
Customized To Fit Your
Needs!**

MACHINE CAPACITY	SX-40	SX-60	SX-100
X Travel	40"	60"	100"
Y Travel	25"	30"	35"
Z Travel	25"	28"	26"
B Travel	210°	210°	210°
Table Load (Evenly Distributed)	3,500 lbs.	4,000 lbs.	5,000 lbs.
TABLE			
Table Size	24"x51"	24"x67"	30"x112"
T-Slots (No./Width)	5 / .625"	5 / .625"	5 / .625"
Table Top to Floor	35"	32"	35"
SPINDLE			
Motor HP(PEAK)	20.0 HP		
Spindle Speed (RPM)	500-10,000 RPM Refrigerated		
Speed Ranges	1 Range		
Tool Type/Taper	CAT 40 or BT-40		
Spindle Nose to Table	29" - 4"	32" - 4"	28" - 2"
Spindle Center to Column	26"	30"	36"
AUTOMATIC TOOL CHANGER			
Tool Storage Capacity	20		
Tool Change Time	7 Seconds		
Tool Selection	Random Bi-Directional		
Max. Adjacent Tool Diameter	3.20"		
Max. Tool Weight	13.5 lbs.		
Max. Tool Length	15"		
PERFORMANCE			
Positioning Accuracy	+/-0.0002"		
Position Repeatability	+/-0.0001"		
Resolution	0.0001"		
Rapid Traverse	1,000 IPM X,Y	700 IPM Z	400 / 800 / 500
Cutting Feed Rate	.001-600 IPM		
Servo Type	AC Digital Brushless		
Axis Thrust (Peak)	3,3174 lbs. XY 5,395 lbs. Z		
GENERAL INFORMATION			
Air Pressure Requirements	90 PSI 5 CFM		
Coolant Capacity	20 Gallons (96 Gallons w / option full enclosure)		
Coolant Flow	3 GPM		
Power Requirements	50 AMP 205-245 VAC 3 PHASE (400-480 VAC Optional)		
Shipping Dimensions	60"x76"x82"	83"x92"x92"	120"x94"x96"
Operating Dimensions	117"x80"x100"	170"x100"x110"	240"x110"x110"
Machine Weight	15,500 lbs.	16,500 lbs.	22,500 lbs

CNC Vertical Machining Centers

- Box Way Construction with Turcite B On All Axis Consistently Out performs Linear Way Machines
- Double Nut Ballscrews
- Digital High Torque Vector Spindle Drive
- All Axes Laser Calibrated & Ballbar Verified
- Massive 6" 5 Bearing Spindle Cartridge - 8,500 Rpm.
- Digital AC Brushless Servo Drives
- Automatic Lube system with low lube fault
- Hardened & Ground Table

Control Features:

- Anilam 6000 with 12" Digital Flat Panel Color Display
- Fully Digital Control - Drive System
- 10.0 GB Part Storage, 16 MB RAM Buffer Memory
- 3.5" Floppy Drive
- High Speed DSP Processor - 1,300 Blocks/Sec.
- Menu Style Conversational Programming
- DXF File Input Feature with touch screen
- Scaling, Rotation, Mirror Image, Helical, Engraving, Event Repeat, Mill Cycle
- User Defined Macros
- Reads Standard G & M code
- 3D graphics with zoom & rotate



Lease From
\$2,730 USD.

\$129,980 USD.



MC-100

Lease From
\$1,355 USD.

Lease From
\$1,398 USD.

Lease From
\$1,570 USD.

Lease From
\$1,613 USD.

Made In U.S.A.

\$62,980 USD.

\$64,980 USD.

\$72,980 USD.

\$74,980 USD.



MC-30



MC-40

**Optional GE Fanuc
Oi Control**



MC-50



MC-60

MACHINE CAPACITY	MC-30	MC-40	MC-50	MC-60	MC-100
X Travel	30"	40"	50"	60"	100"
Y Travel	25"	25"	30"	30"	35"
Z Travel	25"	25"	28"	28"	28"
Table Load (Evenly Distributed)	3,500 lbs.	3,500 lbs.	4,500 lbs.	4,500 lbs.	5,500 lbs.
TABLE					
Table Size	24"x45"	24"x51"	24"x60"	24"x67"	30"x117"
T-Slots (No./Width)	5/.625"	5 / .625"	5 / .625"	5 / .625"	5 / .625"
Table Top to Floor	35"	35"	32"	32"	35"
SPINDLE					
Motor (Peak)	20.0 HP (30.0 HP Optional)				
Spindle Speed (RPM)	60 - 8,500 RPM (10,000 and 12,000 Optional)				
Spindle Torque	75 ft/lbs @ 400 RPM (150 ft/lbs Optional)				
Tool Type/Taper	CAT 40 (BT and 50 Taper Optional)				
Spindle Nose to Table (Max-Min)	29"-4"	29" - 4"	32" - 4"	32" - 4"	30" - 2"
Spindle Center to Column	26"	26"	30"	30"	36"
AUTOMATIC TOOL CHANGER					
Tool Storage Capacity	24 Station Arm Type				
Tool Change Time	2.0 seconds				
Tool Selection	Random Bi-Directional				
Max. Adjacent Tool Diameter	3.20"				
Max. Tool Weight	13.5 lbs.				
Max. Tool Length	13"				
PERFORMANCE					
Positioning Accuracy	+/-0.0002"				
Position Repeatability	+/-0.0001"				
Resolution	0.0001"				
Rapid Traverse	1,200 X,Y - 900 Z (MC-100 - 500 X, 600 Y+Z)				
Cutting Feed Rate	.001 - 700 IPM				
Servo Type	AC digital Brushless				
Axis Thrust (Peak)	3,174 lbs. X,Y - 5,395 lbs. Z				
GENERAL INFORMATION					
Air Pressure Requirements	90 PSI - 5 CFM				
Coolant Capacity	90 Gallons				
Coolant Flow	9 GPM				
Door Open Width	31"	31"	51"	51"	65"
Power Requirements	60 AMP 205 - 240 VAC 3 PHASE (430 - 500 VAC Optional)				
Shipping Dimensions (WxDxH)	127"x87"x87"	127"x87"x87"	138"x89"x93"	161"x89"x93"	211"x98"x95"
Operating Dimensions (WxDxH)	127"x104"x110"	127"x104"x110"	138"x112"x112"	161"x112"x112"	161"x122"x114"
Machine Weight	13,500 lbs.	14,500 lbs.	18,000 lbs.	20,000 lbs.	26,000 lbs.

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Spence Distributors Ltd. Phone Toll Free: (800) 694-4021 Fax (204) 694-6058 89 Merit Cres. West St. Paul, MB. R2P 2W5
e-mail: sales@spencedistributors.com website: www.spencedistributors.com

CNC Vertical Machining Centers

MC-10 E

Lease From
\$925 USD.

**\$42,980
USD.**

MC-15 E

Lease From
\$1,032 USD.

**\$47,980
USD.**



MC-E Series provides fast, reliable performance at a very affordable price

Optional GE Fanuc Oi Control

MACHINE CAPACITY	MC-10 E	MC-15 E
X Travel	30"	40"
Y Travel	16"	20"
Z Travel	19"	22"
Table Load (Evenly Distributed)	1,500 LBS	1,900 LBS
TABLE		
Table Size	50" X 14"	54" X 16"
T-Slots (No./Width)	3 / .625"	3 / .625"
Table Top to Floor	31"	33"
SPINDLE		
Motor (Peak)	15 HP	15 HP
Spindle Speed (RPM)	8,000 RPM	8,000 RPM
Option	10,000 RPM AND 12,000 RPM REFRIGERATED	10,000 RPM AND 12,000 RPM REFRIGERATED
Tool Type/Taper	CAT-40 (BT-40 OPTIONAL)	CAT-40 (BT-40 OPTIONAL)
Spindle Nose to Table (Max-Min)	23" - 4"	26" - 4"
Spindle Center to Column	17"	20"
AUTOMATIC TOOL CHANGER		
Tool Storage Capacity	16	16
Tool Change Time	7 Seconds	7 Seconds
Tool Selection	Bi-Directional	Bi-Directional
Max. Adjacent Tool Diameter	3.0"	3.0"
Max. Tool Weight	15.4 LBS	15.4 LBS
Max. Tool Length	11"	11"
PERFORMANCE		
Positioning Accuracy	+/-0.0002"	+/-0.0002"
Position Repeatability	+/-0.0001"	+/-0.0001"
Resolution	0.0001"	0.0001"
Rapid Traverse	800 IPM	800 IPM
Cutting Feed Rate	.001 - 600 IPM	.001 - 600 IPM
Axis Thrust (Peak)	2,500 LBS	2,500 LBS
GENERAL INFORMATION		
Air Pressure Requirements	90 PSI - 5 CFM	90 PSI - 5 CFM
Coolant Capacity	50 GALLONS	50 GALLONS
Coolant Flow	3 GPM	3 GPM
Power Requirements	60 AMP 208-240 VAC 3 Phase	60 AMP 208-240 VAC 3 Phase
Optional Power	30 AMP 420-500 VAC 3 Phase	30 AMP 420-500 VAC 3 Phase
Shipping Dimensions (WxDxH)	90"x70"x75"	100"x80"x80"
Operating Dimensions (WxDxH)	114"x70"x95"	124"x80"x100"
Machine Weight	6,000 LBS	9,000 LBS

- Box Way Construction with Turcite B On All Axis
- Consistently Out performs Linear Way Machines
- Double Nut Ballscrews
- Digital High Torque Vector Spindle Drive
- All Axes Laser Calibrated & Ballbar Verified
- 4" 5 Bearing Spindle Cartridge - 8,000 Rpm.
- Digital AC Brushless Servo Drives
- Automatic Lube system with low lube fault
- Hardened & Ground Table

Control Features:

- Anilam 6000 with 12" Digital Flat Panel Color Display
- Fully Digital Control - Drive System
- 10.0 GB Part Storage, 16 MB RAM Buffer Memory
- 3.5" Floppy Drive
- High Speed DSP Processor - 1,300 Blocks/Sec.
- Menu Style Conversational Programming
- DXF File Input Feature with touch screen
- Scaling, Rotation, Mirror Image, Helical, Engraving, Event Repeat, Mill Cycle
- User Defined Macros
- Reads Standard G & M code
- 3D graphics with zoom & rotate

CNC Horizontal Machining Centers



**\$69,980
USD.**

*Lease From
\$1,505 USD.*



HR-50

**\$74,980
USD.**

*Lease From
\$1,613 USD.*



HR-60

**Optional GE Fanuc
Of Control**

Machine Features:

- Box Way Construction with Turcite B On All Axis Consistently Out performs Linear Way Machines
- Double Nut Ballscrews
- Digital High Torque Vector Spindle Drive
- All Axes Laser Calibrated & Ballbar Verified
- Massive 6" 5 Bearing Spindle Cartridge - 8,000 Rpm.
- Digital AC Brushless Servo Drives
- Automatic Lube system with low lube fault
- Hardened & Ground Table

Control Features:

- Anilam 6000 with 12" Digital Flat Panel Color Display
- Fully Digital Control - Drive System
- 10.0 GB Part Storage, 16 MB RAM Buffer Memory
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- Scaling, Rotation, Mirror Image, Helical, Engraving, Event Repeat, Mill Cycle
- User Defined Macros
- Reads Standard G & M code
- 3D graphics with zoom & rotate

MACHINE CAPACITY	HR-50	HR-60
X Travel	50"	60"
Y Travel	24"	28"
Z Travel	30"	30"
Table Load (Evenly Distributed)	4,000 lbs.	4,000 lbs.
TABLE		
Table Size	20"x63"	24"x73"
T-Slots (No./Width)	5 / .625"	5 / .625"
Table Top to Floor	32"	32"
SPINDLE		
Motor HP(PEAK)	20.0 HP (30.0 HP Optional)	
Spindle Speed (RPM)	60-8,000 RPM (10,000 and 12,000 RPM Refrigerated Optional)	
Speed Ranges	1 Range (2 Speed Gear Box Optional)	
Tool Type/Taper	CAT 40 or BT-40	
AUTOMATIC TOOL CHANGER		
Tool Storage Capacity	20	
Tool Change Time	5 Seconds	
Tool Selection	Random Bi-Directional	
Max. Adjacent Tool Diameter	3.20"	
Max. Tool Weight	13.5 lbs.	
Max. Tool Length	15"	
PERFORMANCE		
Positioning Accuracy	+/-0.0002"	
Position Repeatability	+/-0.0001"	
Resolution	0.0001"	
Rapid Traverse	1,000 IPM X,Z 700 IPM Y	
Cutting Feed Rate	.001-600 IPM	
Servo Type	AC Digital Brushless	
Axis Thrust (Peak)	3,3174 lbs. XZ 5,395 lbs. Y	
GENERAL INFORMATION		
Air Pressure Requirements	90 PSI 5 CFM	
Coolant Capacity	20 Gallons (96 gallons with opt. Enclosure)	
Coolant Flow	5 GPM	
Power Requirements	60 AMP 205-245 VAC 3 PHASE (400-480 VAC Optional)	
Shipping Dimensions	70"x92"x87"	83"92"92"
Operating Dimensions	160"x100"x105"	170"x100"x110"
Machine Weight	13,500 lbs.	15,000 lbs.



The Kurt™ Workholding Family = Your One Stop Workholding™ Source



At Kurt, we provide the complete spectrum of workholding solutions, from a full line of single and multiple station vises, to complete modular vise systems, to custom engineered workholding. We've built our reputation as the workholding specialist by assisting automotive, aerospace and other metalworking-intensive industries to improve quality and reduce cycle times.

The fact that we manufacture most of our workholding components from 552 N/mm² ductile iron assures you that Kurt workholding has the strength and rigidity to hold all parts, large and small, while they absorb and dampen machine vibration.

Products shown on this page are metric and non-metric. If you have interest in Kurt's non-metric or custom workholding, contact your local Kurt distributor or call the Kurt factory.

Kurt's mission is to provide the highest quality workholding products and solutions while developing the most innovative new products and services to meet our customer's changing needs.

Kurt brings more than four decades of experience in providing solutions to CNC machine workholding problems and a deep understanding of how workholding integrates into today's quality driven manufacturing process.

Belt Drive Drill Presses



Features:

- **Spindle Supported By High Quality Ball Bearings**
- **Each Machine Comes With a Drill Chuck**
- **Solid 1 Piece Cast Iron Spindle Drive Handle On Model ZJ-5125 & ZJ-5132**
- **Tilting Table For Angular Drilling**
- **Locking Depth Stop For Accurate Repetitive Blind Hole Drilling**



We Stock A Massive Variety Of Drill Bits To Suit Any Application!

Specifications	ZJ-5116	ZJ-5125	ZJ-5132
Max. Drilling Diameter	16mm., 5/8"	25mm., 1"	32mm., 1-1/4"
Rotary Radius Of Table	180 deg.	216 deg.	254 deg.
Max. Distance From Spindle Nose To Table Surface	710mm., 27.95"	780mm., 30.71"	760mm., 29.92"
Max. Distance From Spindle Nose To Base	1180mm., 46.46"	1240mm., 48.82"	1230mm., 48.45"
Max. Spindle Travel	85mm., 3.35"	120mm., 4.72"	120mm., 4.72"
Table Size	290mm.x 290mm., 11.40" x 11.40"	350mm.x 350mm., 13.75" x 13.75"	420mm.x 480mm., 16.50" x 18.90"
Spindle Taper	MT# 2	MT# 3	MT# 4
Base Size	460mm.x 275mm., 18.11" x 10.83"	460mm.x 350mm., 18.11" x 13.75"	450mm.x 560mm., 17.72" x 22.05"
Spindle Speeds	16	12	12
Column Diameter	72mm., 2.84"	92mm., 3.62"	92mm., 3.62"
Motor	.55Kw., 3/4Hp.	1.1Kw., 1-1/2Hp.	1.1Kw., 1-1/2Hp.
Overall Dimensions	25" x 13.4" x 63"	30.7" x 20.5" x 68"	32.3" x 22.8" x 68"
Net Weight	70Kg., 154Lbs.	120Kg., 264Lbs.	145Kg., 319Lbs.

Belt Drive Variable Speed Drills

Variable Speed Drilling Machines



Model RF-401VS

\$2,399



Model RF-401S2F
(Includes Power Downfeed)

\$2,699

Features:

- ❑ Infinitely Variable Speed Allows For Easy RPM. Changes
- ❑ Drilling, Reaming, Tapping, Milling
- ❑ Table Rotates Around Column
- ❑ T-Slots in Table and Base for Fixturing
- ❑ Micro Quill Feed (*RF-401S2F Only*)
- ❑ Locking of Quill
- ❑ Manual, toolbox
- ❑ One Year Warranty Parts

Lease from \$66.⁴⁵/mth.



Lease from \$59.⁴⁵/mth.

Flexible Financing Available To Suit Your Needs!

Specifications		RF-401VS	RF-401S2F
Capacity	Drilling Cast Iron	1-1/2"	1-1/4"
	Drilling In Steel	1-1/4"	1-1/4"
	Swing	19.3"	19.3"
Head	Main Motor	1-1/2Hp.	1-1/2 Hp.
	Power Downfeed	No	Yes
Spindle	Spindle Drive	Infinitely Variable	Infinitely Variable
	Spindle Speeds	300-2000	300-2000
	Spindle Stroke	4.2"	4.2"
	Spindle Taper	MT#3	MT#3
	Table Size	22"x22"	22"x22"
	Column Diameter	4.53"	4.53"
	Voltage	220V, 1Ph. 60Hz.	220V, 1Ph. 60Hz.
	Dimensions (LxWxH)	30"x38"x76"	30"x38"x76"
	Weight	616Lbs.	626Lbs.

Gearhead Drilling Machines

Z5030

Z5030A



\$2,599

\$2,999

Lease From \$64.⁸⁵/mth.

Lease From \$74.⁸⁵/mth.

Model Z5030A Includes Power Down Feed



Head Swivels Left & Right

Specifications		Z5030	Z5030A
Table	Table Size	21.25" x 18.50"	21.25" x 18.50"
	# of T-Slots & Size	2, 5/8"	2, 5/8"
Head	Main Motor	1-1/2 Hp.	1-1/2 Hp.
	Moves R/L	90 deg.	90 deg.
Spindle	Spindle Drive	6 Speeds	6 Speeds
	Spindle Speeds	90-1970	90-1970
	Spindle Taper	MT#4	MT#4
	Power Downfeed	No	Yes
	Quill Travel	4.72"	4.72"
	Voltage	220V, 1Ph. 60Hz.	220V, 1Ph. 60Hz.
	Weight	740 Lbs.	760 Lbs.





Precision Gearhead Drilling Machines

ZQSX5030A & ZQ5035 Includes Power Down Feed

Features:

- Powerful Gear Head Power Transmission
- Quick & Easy Changing of Speeds Instead Of Time Consuming Belt Changes as on Belt Drive Drills
- 12 Speeds
- T-Slot Table & Machine Base
- Precision Hardened & Ground Column
- Head Swings Around Column
- Precision Hardened & Ground Gears
- WorkLight (ZQSX5030A & ZQ5035)
- Full Electrical Box, Hydro Certified
- Tool Box, Manual & Tools

Lease from \$93.⁷³/mth.

ZQSX5025

ZQSX5030A

ZQ5035

\$2,999

\$5,299

Lease from \$74.⁴⁵/mth.

\$3,799

Lease from \$127.⁷⁸/mth.

Specifications	ZQSX5025	ZQSX5030A	ZQ5035
Max. Drilling Diameter	25mm., 1"	31.5mm., 1-1/4"	35mm., 1.38"
Distance Between Spindle Axis & Column	240mm., 9.45"	315mm., 12.40"	350mm., 13.80"
Max. Distance From Spindle Nose To Table Surface	830mm., 32.6"	685mm., 27"	640mm., 25.20"
Max. Distance From Spindle Nose To Base	1200mm., 47.25"	1195mm., 47"	1230mm., 48.45"
Max. Spindle Travel	135mm., 5.30"	135mm., 5.30"	160mm., 6.30"
Table Size	445mm.x 345mm., 17.5" x 13.6"	430mm.x 380mm., 17" x 15"	470mm.x 470mm., 18.50" x 18.50"
Spindle Taper	MT# 3	MT# 3	MT# 4
Flood Coolant	No	Yes	Yes
Spindle Speeds	12 - (80-2800 Rpm.)	12 - (80-2800 Rpm.)	12 - (64-2280 Rpm.)
Power	1.1Kw., 1.5Hp.	1.1Kw., 1.5Hp.	2.2Kw., 3Hp.
Overall Dimensions	28.30" x 20" x 70"	30.30" x 20.25" x 70.80"	23.60" x 35.43" x 76.75"
Net Weight	325Kg., 715Lbs.	380Kg., 836Lbs.	560Kg., 1,232Lbs.

Radial Arm Drills



Model ZX20

**Lease from
\$66.⁷⁷/mth.***

\$2,699

Features:

- ▣ Milling, Drilling, Tapping, Boring, Reaming
- ▣ Head Moves Up And Down on Column with Screw Jack
- ▣ Head Rotates Around Column
- ▣ Rocker Swivel 360 Degrees
- ▣ Comes With Compound Slide Table & Fixture Block
- ▣ Manual, toolbox
- ▣ One Year Warranty Parts

Specifications		ZX-20
Motor	Main Motor	1Hp.
	Moves R/L	90 deg.
Spindle	Spindle Drive	5 Speeds
	Spindle Speeds	210-2,000 Rpm.
	Spindle Taper	R8
	Quill Travel	3.54"
	Max. Track	19.70"
	Radial Rise/Fall	14.56"
	Voltage	220V, 1Ph. 60Hz.
	Weight	880 Lbs.



TPR-720A, 820A, 920A



TPR-1100



TPR-1230, 1230H



TPR-1600H

Specifications

Specifications		TPR-720A	TPR-820A	TPR-920A	TPR-1100	TPR-1230	TPR-1230H	TPR-1600H	
Distance from column surface to spindle center, max.		30"	33.5"	37.5"	43.5"	48.5"	48.5"	62.5"	
Distance from column surface to spindle center, min.		8.66"	8.66"	8.66"	9.65"	13.38"	13.38"	15.35"	
Travel of spindle head		20.86"	24.80"	28.74"	33.66"	35.04"	35.04"	47.24"	
Distance from base surface to spindle end, max.		41.73"	47.64"	47.64"	50.39"	53.94"	53.94"	63.00"	
Distance from base surface to spindle end, min.		9.64"	13.78"	13.78"	16.93"	19.29"	19.29"	11.81"	
Elevating height of arm		23.82"	25.59"	25.59"	23.62"	23.62"	23.62"	35.43"	
Taper hole spindle		MT#4	MT#4	MT#4	MT#4	MT#4	MT#4	MT#5	
Stroke of spindle		8.27"	8.27"	8.27"	9.06"	9.84"	9.84"	14.57"	
Net weight (approx) Lbs.		2,640	2,860	2,970	3,960	4,620	4,620	10,120	
Capacity	Drilling	Steel	1-1/2"	1-1/2"	1-1/2"	1-5/8"	1-5/8"	1-5/8"	2-1/4"
		Cast Iron	2"	2"	2"	2-1/8"	2-1/8"	2-1/8"	2-3/4"
	Tapping	Steel	1"	1"	1"	1"	1"	1"	2"
		Cast Iron	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/2"	2-3/8"
	Boring	Steel	2-3/4"	2-3/4"	2-3/4"	3-3/8"	3-3/8"	3-3/8"	5"
		Cast Iron	4"	4"	4"	4-3/4"	4-3/4"	4-3/4"	7-3/8"
Power motor (main power)		2HP	2HP	2HP	3HP	3HP	3HP	7.5HP	
Price		\$9,299	\$9,899	\$10,199	\$12,699	\$16,999	\$18,399	\$33,399	
Lease From/Mth.		\$223.78	\$238.18	\$240.26	\$299.01	\$391.55	\$432.75	\$719.15	

7"x12" Horizontal/Vertical Bandsaw Machines



UE-712

Swivel Vise Machine

\$999

**Lease from
\$36.⁸¹/mth. Over
36 Months**



UE-712S

Swivel Head Machine

\$1,699

**Lease from
\$61.⁸¹/mth. Over
36 Months**

Features:

- Automatic Shut-off at end of cut
- Adjustable Hydraulic Downfeed Control
- Re-circulating Flood Coolant System
- Can be Used Horizontally Or Vertically
- Adjustable Ball Bearing Guides
- Machines are Portable & may be wheeled to job
- One Year Warranty Parts



*All lease rates on this page are OAC. and based on 36 mth. term with 10% buyout. Taxes & Insurance extra.

**We Custom Weld
Bandsaw Blades
To Length in Our
State Of The Art
Facility With Same
Day Service!**

Specifications		UE-712	UE-712S
Capacity	At 90 Degrees	7"x12" or 7"Diam.	7"x12" or 7"Diam.
	At 45 Degrees	4-1/2"x5" or 5" Diam.	4-1/2"x5" or 5" Diam.
General	Angle Cutting Method	Vise Swivels	Head Swivels Around Part
	Blade Size	3/4"W x .035"T x 93"L	3/4"W x .035"T x 93"L
	Blade Speeds	4 (85-235 SFM.)	4 (85-235 SFM.)
	Main Motor	1Hp.	1Hp.
	Voltages	110 or 220 1phase 60Hz.	110 or 220 1phase 60Hz.
	Overall Dimensions	50"L x 20"W x 39"H	50"L x 33"W x 39"H
	Net Weight (approx.)	275Lbs	290 Lbs.

Bandsaws



7428-BS-912B



7428-BS-1018B



Features:

- Flood Coolant system
- Adjustable hydraulic downfeed w/Automatic shut-off at end of cut
- Combination Carbide & Ball Bearing Guides

**We Custom
Weld
Bandsaw
Blades to
Length -
Same Day
Service...
See page 45**

Specifications		7428-BS-912B	7428-BS-912GR	7428-BS-1018B	7428-BS-1018R	
Capacity	At 90 Degrees (round)	9"	10"	10"		
	At 90 Degrees	7"Hx12"W			5"Hx18"W	
	At 45 Degrees	5"Hx6"W	4"Hx8"W	6"Hx7.5"W		
	Angle Cutting Method	Vise Swivels	Head Swivels	Vise Swivels	Head Swivels	
	Blade Size	1"Wx.035"T x 104.5"L			1"Wx.035"T x 129"L	
	Blade Speeds (SFM)	150, 196, 288, 377	125, 255, 380	150, 196, 288, 377		
	Motor Drive	V-Belt	Gear Head	V-Belt		
	Main Motor	1 Hp.			2 Hp.	
	Voltages	220V 1 Phase, 60Hz.				
	Net Weight (lbs.)	440			685	
	Price	\$1,799	\$2,299	\$2,799	\$3,999	
	Lease/mth.	\$44.71	\$56.96	\$69.22	\$98.63	

Features:

- Head of band saw moves in one direction for angle cutting up to 45 degrees around your part
- Built-in protractor for fast and accurate selection of angles
- Infinitely Variable blade speed
- Stock remains in one position for all cuts
- Adjustable hydraulic downfeed w/Automatic shut-off at end of cut
- Combination Carbide & Ball Bearing Guides
- Flood Coolant system



Model UE-250S Swivel Head Bandsaw

**Lease from
\$120.⁵⁸ /mth.**

\$4,999



UE-250S

Specifications		UE-250S
Capacity	At 90 Degrees	10"x15", 10" Round
	At 45 Degrees	10"x8.4", 8.4" Round
	Angle Cutting Method	Head Swivels Around Part
	Blade Size	1"W x .035"T x 130"L
	Blade Speeds (SFM)	Infinitely Variable (82-259)
	Main Motor	2 Hp.
	Voltages	220 1phase 60Hz.
	Overall Dimensions	72"L x 30"W x 43"H
	Net Weight (approx.)	935 Lbs.



Model 1600 Swivel Head Bandsaw



\$3,699

Shown With Optional Roller Stand

Lease from \$91.⁸¹ /mth.

Features:

- Head of band saw moves both left and right for angle cutting up to 45 degrees around your part in both directions
- Built-in protractor for fast and accurate selection of angles
- Stock remains in one position for all cuts
- Adjustable hydraulic downfeed
- Automatic shut-off at end of cut
- Machine is Portable & may be wheeled around your shop to the work

Specifications		1600
Capacity	At 90 Degrees	11" Flat, 10" Round
	At 45 Degrees (left or right)	7-1/4" Flat, 6-7/8" Round
	Angle Cutting Method	Head Swivels Around Part
	Blade Size	1"W x .035"T x 120"L
	Blade Speeds	3 (70, 135, 250 SFM.)
	Main Motor	1Hp. Leeson
	Voltages	110 or 220 1phase 60Hz.
	Overall Dimensions	59"L x 25"W x 47"H
	Net Weight (approx.)	475 Lbs.



Vertical Feed-In Bandsaw

VBS 320

Features:

- Saw feeds along precision Linear Guideways by Gravity with Adjustable Hydraulic feed rate valve
- Adjustable Crank Vise
- Automatic shut-off at end of cut
- Carbide Guides for Saw Blade, adjustable top guide for height of material
- Foot pedal returns saw head to start position
- Capacity: 12-3/4"H x 7"W
- Blade Size: 3/4"W x .035"T x 118"L
- Motor: 1Hp. 110V/1Phase/60Hz.
- 3 Speeds; 65/142/240 SFM.
- Dimension: 44"x27"x71"
- Weight: 580Lbs.

\$3,699

Lease from \$91.⁸¹ /mth.



Bandsaws-Swivel Heads



**Bomar Bandsaws
Are On Our Floor...**

**...Come And See
Them Today!**

**Precision European
Manufactured**



320.250DGS



410.260G



510.320G

Features:

- ▣ Carbide Saw Guides with Roller Bearings to minimize vibration and increase blade life dramatically
- ▣ Machine automatically shuts off at the end of the cut
- ▣ Electronically regulated saw band tension & breakage
- ▣ Safety switches on all covers, providing for safe operation of the machine
- ▣ All controls are away from the saw blade assuring a safe distance for the operator
- ▣ Emergency shut-off switch
- ▣ Powered chip brush for chip removal from band
- ▣ Complete self contained coolant system located in machine base - Separate flow control valves for fixed and moveable guide arms
- ▣ Precision European Designed & Manufactured



STG440DGH

**Add Powered Head
Lift For Only \$1,590**

Specifications	320.250DGS	410.260G	410.260DG	510.320G	510.320DGHV	STG420DGH	
Capacity	90 Degrees	12.2x6.3"	16.2x10.2'		20.5x8.3'	20x13"	24x17.3"
	45 Degrees Right	8.3x5.1"	11.8x15.1"		14.2x4.7"	15.7x3.9"	17.3x14.2"
	45 Degrees Left	7.9x3.5"	N/A	11.8x15.1"	N/A	12.6x12.2"	17.3x16.5"
	60 Degrees Right	5.1x4.3"	7.5x5.1"		9.4x4.7"	10.2x3.9"	9.8x15.7"
	60 Degrees Left	N/A	N/A	7.5x5.1"	N/A	9.4x6.7"	12.6x9.8"
Blade & Motor	Blade Size	1"x.035"x 114.5"	1"x.035"x150"		1-1/4"x.042"x171"	1-1/4"x.042"x188"	1-1/4"x.042"x205"
	Band Speeds (SFM)	110/260	72/170/235/335			65-295	
	Power Transmission	Gear Head Motor	Step Pulley			Infinitely Variable w/digital readout	
	Motor Size	2Hp.			3Hp.	4Hp.	5Hp.
General	Vise	Screw w/Camlock	Quick Action Camlock			Hydraulic Powered	
	Head Lift	Manual			Hydraulic Powered		
	Control Panel	Safely Mounted on Front Of Saw				Relocatable Panel on Pedestal	
	Digital Height Limit	No				Yes	
	Angle Readout	Scale Viewable From Control Panel				Digital Readout	
	Downfeed	Adjustable Hydraulic Down Feed on Control Panel					
	Flood Coolant System	Yes					
	Mist Cooling System	\$1,490 (Optional) 2 Nozzle Acculube Or Unist Positive Displacement System					
	Powered Head Lift	\$1,590 (Optional)				Included	
	Weight (Lbs)	820	935	950	1,265	1,980	2,211
	Dimensions (LxWxH)	57x35x49	74x28x49	74x28x49	94x33x53	94x33x53	106x33x61
Price	\$6,995	\$7,490	\$8,490	\$9,950	\$16,650	\$21,750	
Lease From/Mth.	\$168.48	\$180.36	\$204.36	\$239.40	\$383.53	\$492.68	

Automatic High Performance Bandsaws

Horizontal Miter Cutting Automatic Bandsaws

- Angle cut up to 60° in one direction
- PLC controlled, allows you to store and retrieve up to 99 jobs
- Flood Coolant system
- Infinitely variable speed blade drive with digital readout
- Hydraulic power unit providing precision saw feed rates & pressures
- Full stroking hydraulic vises
- Safety guards for maximum operator safety
- Roller bearings take the twist out of the blade before entering precision carbide guides. This system minimizes vibration & squealing & substantially increases blade life. This system requires much less work from the drive motor to pull the blade through the guides.
- Digital angle readout
- Optional bundle clamping system
- Optional chip conveyor

**1" Blade
Machine Fully
Automatic**

\$25,950

410.260GA



410.260GA

**1-1/2" Blade
Machine Fully
Automatic**

\$39,950

610.440GA

**1-1/4" Blade
Machine Fully
Automatic**

\$30,950

510.330GA

**We Are The
Bandsaw
Application
Specialists... Call
Today To Discuss
Your Needs!**

Dual Column Production Bandsaws



**Ball Screw Feeds
For Exceptional
Precision &
Speed!!!**

KastoTwin



KastoTec



Vertical Tilt Frame Bandsaws



V125 'Smart Saw'

**VT130HA-60:
Computer Controlled
Miter Cuts Up To 60
Degrees in Both
Directions!!!**



VT130HA-60

**Call
Today!**

Vertical Bandsaws



KB-45

Metal Cutting Series
(KB-30-36-45)

Features:

- Saw blade butt welder with integrated annealing unit
- 1/2" Bimetal Bandsaw Blade
- KV series machines equipped with LED Digital blade speed readout
- Blade shear, grinder
- Built-in blade and tire cleaning brush
- Low voltage working lamp
- One set of required tools
- One instruction and parts manual
- One Year Warranty Parts



KV-50

Come Down Today...

KV-100



...And See These Machines On Our Floor!

Non-Ferrous & Metal Cutting Series
(KV-40-50-60-100)



Specifications		KB-30	KB-36	KB-45	KV-40	KV-50	KV-60	KV-100
Cutting Capacity	Throat depth	12-3/8"	14"	17-15/16"	16-1/8"	20-1/2"	23-5/8"	39-3/8"
	Max. work height	6-7/8"	9-1/16"	10-1/16"	11-13/16"	12-3/8"	11-13/16"	11-13/16"
Table	Table Size	19-1/2"x15-1/4"	19-1/2"x15-1/4"	23-1/2x19-1/2"	23-1/2x19-1/2"	23-1/2x19-1/2"	23-1/2x19-1/2"	23-1/2x19-1/2"
	Table Inclination (4 Ways)	15 °	15 °	15 °	15 °	15 °	15 °	15 °
Saw Blade	Length	99-1/4"	111-13/16"	137-3/8"	132"	153"	156-5/16"	178-5/8"
	Width Range	1/8"-5/8"	1/8"-5/8"	1/8"-5/8"	1/8"-5/8"	1/8"-5/8"	1/8"-5/8"	1/8"-5/8"
	Blade Speeds (SFM)	65-295	65-295	85-375	Low 65-280fpm High 400-1640fpm			
	Butt welder capacity	2.4KVA, 1/8-5/8						
	Drive motor	1/2HP	1HP	1HP	2HP	2HP	2HP	2HP
	Voltage	220V. 1Phase 60Hz.	220V. 1Phase 60Hz.	220V. 1Phase 60Hz.	220V 1Phase, 60Hz.	220V 1Phase, 60Hz.	220V 1Phase, 60Hz.	220V 1Phase, 60Hz.
	Net weight (approx.)	496Lbs.	551Lbs.	660Lbs.	970 Lbs.	1102 Lbs.	1542 Lbs.	1763 Lbs.
	Measurement (LxWxH)	37x22x66"	37x22x73"	44x26x79"	47x30x83"	52x30x84"	56x30x84"	69x30x84"
Price		\$2,899	\$3,299	\$3,699	\$4,499	\$4,899	\$5,299	\$5,899
Lease From/Mth.		\$71.67	\$81.47	\$91.28	\$100.88	\$120.69	\$127.78	\$142.18

Our Bandsaw Blade Welding Facility

Our State Of The Art High Production Bandsaw Blade Welding Facility

- 2 Fully Automatic High Production Amada & IDEAL Flash Butt Welders
- The most sophisticated, accurate and consistent machines in the industry
- Zero Set-up time from 3/16" wide blades up to 2" wide
- Over 400 blades custom welded & shipped daily!!!
- Orders Shipped SAME DAY!!!



- IDEAL Precision Weld Grinding Machine
- Diamond Wheel used to provide extreme precision in grinding of the weld burr
- Gullet geometry is perfectly re-ground at the weld seam
- All Welds Guaranteed!!!



**Custom
Welded To
Length
Bandsaw
Blades**

**The Absolute Best
Bandsawing &
Machine
Technical Support
1-800-694-4021**

- Automatic Twist Tying
- Computerized Labeling
- Over \$500,000 invested in Machinery



- All Welding dies precision ground daily to within .0001" Parallelism
- TOS Fully Automatic Precision Surface Grinder
- Assures Consistent, Accurate & Strong Welds



- Inventory of over \$400,000 in Coil Stock
- Carbon Steel Flexback & Hardback
- Meat Cutting
- Bandknife
- Bimetal Matrix & M42
- Carbide Tipped & Carbide Grit
- 3/16" Wide to 2" Wide
- A wide range of tooth pitches to select from



- PLC Automatic Cut To Length Machine
- Capable of automatically cutting to length up to 600 blades per hour
- Assures extreme precision & consistency of length
- Largest Welding Facility in Western Canada

ColdSaws - Swivel Head Mitering

MACC



225MM.

\$699

K225

K225 225mm. Cold Saw. Capacity 90 deg.: 2.6" Round. 2.2"x2.2" Square tube, 1.77"x3" Rect. Tube. Capacity 45 deg.: 2.3" Round. 2"x2" Square tube, 1.6"x2.3" Rect. Tube. Max. Vise Opening: 2.75". Motor: 1hp. Speed: 52SFM. Weight: 70 Lbs.



250MM.

\$2,199

TE250DV

TE250DV 250mm. Cold Saw. Capacity 90 deg.: 2.8" Round. 2.8"x2.8" Square tube, 3.8"x2.2" Rect. Tube. Capacity 45 deg.: 2.6" Round. 2.4"x2" Rect. tube. Max. Vise Opening: 4". Motor: 1-3/4hp. Speed: 40/80SFM. Weight: 187 Lbs.



275MM.

\$2,799

TRS275

TRS275 275mm. Cold Saw. Capacity 90 deg.: 3.2" Round. 3.2"x3.2" Square tube, 2.8"x4" Rect. Tube. Capacity 45 deg.: 3.2" Round. 3.2"x2.8" Rect. tube. Max. Vise Opening: 4.13". Motor: 2hp. Speed: 40/80SFM. Weight: 216 Lbs.



300MM.

\$3,899

TRS300DV

TRS300DV 315mm. Cold Saw. Capacity 90 deg.: 3.5" Round. 3.2"x3.2" Square tube, 2.8"x4.5" Rect. Tube. Capacity 45 deg.: 3.2" Round. 2.8"x2.8" Square tube. Max. Vise Opening: 4.7". Motor: 3hp. Speed: 40/80SFM. Weight: 330 Lbs.



315MM.

\$4,499

NEW315DV

NEW315DV 315mm. Cold Saw. Capacity 90 deg.: 3.5" Round. 3.3"x3.3" Square tube, 2.8"x4.7" Rect. Tube. Capacity 45 deg.: 3.2" Round. 2.8"x2.8" Square tube. Max. Vise Opening: 4.7". Motor: 3hp. Speed: 40/80SFM. Weight: 374 Lbs.



350MM.

\$4,599

NEW350

NEW350 350mm. Cold Saw. Capacity 90 deg.: 4.3" Round. 4"x4" Square tube, 3.2"x6.1" Rect. Tube. Capacity 45 deg.: 3.5" Round. 3.3"x3.3" Square tube. Max. Vise Opening: 7.5". Motor: 3-1/4hp. Speed: 40/80SFM. Weight: 462 Lbs.

Kalamazoo Industries

Made In U.S.A.



14" Steel Cutting Miter Saw

KM14SC



- ▣ Wheel Capacity: 14" diam.
- ▣ Specially designed for Steel tubing, angle, pipe & structural shapes
- ▣ Cuts Dry!
- ▣ Dual cam-lock vises
- ▣ Head swivels around material up to 45 deg. in BOTH DIRECTIONS
- ▣ Motor: 5Hp.
- ▣ Voltage: 220V 1ph. or 3 ph.
- ▣ Arbor Shaft: 1"
- ▣ Uses Carbide Tipped Blade - (not included)
- ▣ 1300 Rpm. Spindle Speed
- ▣ Capacity: 4.5" at 90deg., 4"x3.5" at 45deg.
- ▣ Heavy Duty Cast Iron Construction
- ▣ Weight: 450Lbs.
- ▣ One Year Warranty Parts

Lease from \$98.⁴⁷ /mth.

KM14SC Cuts Steel Fast & Dry With A Carbide Tipped Blade!

\$3,999

Non-Ferrous Circular Saws

Kalamazoo Industries

Made In U.S.A. 

- Wheel Capacity: 14" diam.
- Motor: 5Hp.
- Voltage: 220V 1ph. or 3 ph.
- Arbor Shaft: 1"
- Uses Carbide Tipped Blade - (not included)
- 4400 Rpm. Spindle Speed
- Sealed ball bearings
- Heavy Duty Cast Iron base, trunnion & arm
- One Year Warranty Parts

14" Non-Ferrous



HS14

HS14 14" High Speed "straight-cut" saw. Capacity: 4". Weight: 240 Lbs. Vise Opens 5" wide & holds work on both sides of blade.

\$3,299

Lease from **\$81.⁴⁷/mth.**

High Speed Non-Ferrous Miter Saw

\$4,199



KM14HS

Lease from **\$103.⁵³/mth.**

KM14HS 14" High Speed Miter saw. Capacity: 4.5" at 90deg., 4"x3.5" at 45deg.. Weight: 450 Lbs. Head swivels around material up to 45 deg. in BOTH DIRECTIONS

Semi-Automatic Non-Ferrous Saw



HSM14

Lease from **\$175.⁷⁸/mth.**

\$7,299

HSM14 14" High Speed Semi-Automatic Miter saw. Capacity: 4.5" at 90deg., 4"x3.5" at 45deg.. Weight: 750 Lbs. Head swivels around material up to 45 deg. in BOTH DIRECTIONS. Power down feed. Double air vises. Vise opens 6".

MACC

16" Automatic Non-Ferrous Saw

We Carry The Most Comprehensive Range of HSS and Carbide Saw Blades!

\$24,790



TA400A

TA400A 16" High Speed Automatic Non Ferrous saw. Capacity: 2.5" Solid, 5.5" Tube. 4.3"x4.3" Square tube, 7"x4.3" Rectangular Tube. Max. Vise Opening: 7". Weight: 1,120 Lbs. Programmable part length & number of pieces, automatic head lift/cut, auto vises & shuttle.

EVERETT

Made In U.S.A. 

12" - 14" Multi-Angle Non-Ferrous Saw



1-1/2 Hp. Machine

\$1,699

Lease from **\$61.³¹/mth. Over 36 Months**

- Capacity: 3"x3" or 2"x4" at 90 deg.
- Miters up to 45 degrees in BOTH DIRECTIONS, with preset stops at 45 deg.
- Use High Speed Steel or Carbide Tipped blades
- Weight: 120Lbs.
- One Year Warranty Parts

3 Hp. Machine

\$1,899

Lease from **\$68.³¹/mth. Over 36 Months**

- Wheel Capacity: 12" diam. For 1-1/2Hp. Machine
- Wheel Capacity: 14" diam. For 3Hp. Machine
- Voltage: 115V or 230V single phase 1-1/2Hp Machine
- Voltage: 230V or 575V three phase 3Hp Machine
- Motor: 1-1/2Hp. Or 3Hp.
- Arbor Shaft: 5/8"
- Precision sealed ball bearings, lubricated for life
- Blade lubrication thru spindle & ports in flanges

Abrasive Cut-off Saws

Kalamazoo Industries

7" Cut-Off Saw

K7B



\$759

EVERETT

8" Cut-Off Saw



#08002F

\$799

EVERETT

10" Cut-Off Saw

10002F



\$869

EVERETT

10" Swivel Vise Cut-Off Saw

10012F



\$989

Kalamazoo Industries

10" Swivel Head Cut-Off Saw

KM10



\$1,399

Lease from \$47.⁴⁷/mth.
Over 36 Months

**We Stock Abrasive
Wheels To Suit Any
Application!**

EVERETT

12" Cut-Off Saw w/Stand



#12003F

\$2,499

Lease from \$86.⁸⁰/mth.
Over 36 Months

EVERETT

12" Swivel Head Cut- Off Saw



#12013F

\$3,299

Lease from \$106.²⁹/mth.
Over 36 Months

Kalamazoo Industries

12" Swivel Vise Cut- Off Saw w/Stand



#K12SS

\$2,399

Lease from \$83.³²/mth.
Over 36 Months

Specifications

	Kalamazoo K7B	Everett #08002F	Everett #10002F	Everett #10012F	Kalamazoo KM10	Everett #12003F	Everett #12013F	Kalamazoo K12SS
Capacity	Wheel Capacity	7"	8"	10"		12"		
	Capacity at 90deg.	2" round	1-1/2" round	2" round	2" round	3" round		
	Capacity at 45deg. Left		--		1-3/4"	2-1/4"	--	2-1/4"
	Capacity at 45deg. Right		--			2-1/4"		--
Motor	Horsepower	1	3			5		
	Spindle Speed (Rpm.)	4800			3450			4400
	Arbor Size	1/2"		5/8"		1"		
Miter Cutting	Heads Swivels Around Part		--		Yes	--	--	--
	Vise Swivels - Head		--		Yes	--	--	Yes
	Stationary		--		Left	Left & Right	--	Left
	Directions		--		Left	Left & Right	--	Left
General	Voltage (standard)	110/220V 1ph.	208/230V 3ph.		220V 3ph.	208/230V 3ph.		220V 3ph.
	Weight (Lbs.)	75	65	85	88	220	165	150
	Dimensions (LxWxH)	22"x10"x14"				25"x24"x17"		
	Vise Style	Screw	Screw	Screw	Screw	Dual Cam-lock	V-Slot W/Chain & Cam-lock	Cam-lock
Options	Voltage	--	115/230V 1ph. or 575V 3ph.		110/220V 1ph.	230V 1ph. or 575V 3ph.		220V 1ph.
	Cost	--	\$29		\$29	\$189		\$419
	Stand	--	\$249	\$249		\$319	Included	\$599
	Magnetic Starter	--	--	--	--	--	Included	Included
	Chain Vise	--	--	--	--	--	Included	--
	Work Stop	Included	\$59	\$59	\$59	\$189	\$229	\$229
	Outboard Support	--	\$169	\$169	\$169	--	\$169	\$169
Drip Oiler	--	\$169	\$169	\$169	--	\$669	\$669	

Abrasive Cut-off Saws

Kalamazoo Industries

K14SS



\$2,999



KM14

\$4,299



K12-14W

\$2,999



K16-18

\$4,199



KM16-18

\$3,699



K20SSF

K20SW

\$7,799



Lease from \$103.⁵³/mth.

KM20-22



\$7,399

Lease from \$103.⁵³/mth.

**Call For
Larger Or
Semi-
Automatic
Versions!**

Specifications

	K14SS	KM14	K12-14W	K16-18	KM16-18	K20SSF	KM20-22	K20SW	
Capacity	Wheel Capacity	14"		16"-18"		20"			
	Capacity at 90deg.	3"		4"	4-1/2"	6"			
	Capacity at 45deg. Left	2-1/2"	3-1/2"	--	--	4"	--	5"	
	Capacity at 45deg. Right	--	3-1/2"	--	--	4"	--	5"	
Motor	Horsepower	5		10		15			
	Spindle Speed (Rpm.)	4400		2200	2500		1950	2500	
	Arbor Size	1"							
Miter Cutting	Heads Swivels Around Part	--	Yes	--	--	Yes	--	Yes	
	Vise Swivels - Head	--							
	Stationary Directions	Left	Left & Right	--	--	Left & Right	--	Left & Right	
General	Voltage (standard)	220V 3ph.							
	Weight (Lbs.)	270	400	540	600	730	600	1100	
	Dimensions (LxWxH)	22"x14"x56"	26"x24"x50"	36"x26"x62"	41"x24"x55"	33"x30"x59"	41"x24"x55"	42"x51"x67"	51"x26"x55"
	Coolant System	--	Yes		--		Yes		
	Vise Style	Cam-lock	Dual Cam-lock		Chain & Foot Pedal	Dual Cam-lock	Chain & Foot Pedal	Cam-lock	Air Operated Chain
Options	Voltage	220V 1ph.		--					
	Cost	\$399		--					
	Chain Vise	--		Included		--			
	Work Stop	\$349							
	Motor	--		--		20Hp - \$999			
	Power Down Feed	--		\$2,699	--				
Oscillation Head	--		\$2,999	--		--		\$3,199	
Air Vise	--		\$799	--		--		\$999	

PARLEC

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TOOLHOLDING

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Your **total** machining solution

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Arbor Presses, Hardness Tester, Pre-Setters

Arbor Presses



Ratchet
Lever &
Handwheel



- ▣ Precision made
- ▣ 4 position steel anvil
- ▣ Steel pinions

- ▣ Ratchet device permits lever to be used in most convenient position
- ▣ 4 position anvil
- ▣ Hand wheel advances ram to work quickly

Part#	Capacity Ton	Press Height	Max. Diam	Max. Height	Weight	Price
7428-376502	1	13"	8"	5-1/4"	40 Lbs.	\$49.99
7428-376503	2	18"	12"	8-1/2"	89 Lbs.	\$99.99
7428-376504	3	23"	12"	12-1/2"	161 Lbs.	\$149.99
7428-376505	5	36"	15"	17"	410 Lbs.	\$549.99
Ratchet Lever Style						
7428-376506	2	18-1/2"	11-7/8"	8-1/2"	86 Lbs.	\$119.99
7428-376507	3	21-1/2"	12"	12-5/8"	132 Lbs.	\$189.99

Hardness Tester

Features:

- Part# 7409-303-9400T**
- ▣ Measures Rockwell "C", "A", "B" Scales
 - ▣ Measuring Ranges: 20-88HRA, 20-100HRB, 20-70HRC
 - ▣ Test Force: 588.4, 980.7, 147 N
 - ▣ Automatic Weight Selection
 - ▣ Testing Height: 6-3/4"
 - ▣ Depth from Center to Column: 5-5/16"
 - ▣ Dimensions: 18.3"L x 9.3"W x 25.2"H
 - ▣ Weight 200Lbs.
 - ▣ Contains: Large & Small Flat Anvils, V-Notch Anvil, Diamond Cone Penetrator, 1/16" Steel Ball Penetrator, 5pcs - Rockwell Standardized Blocks



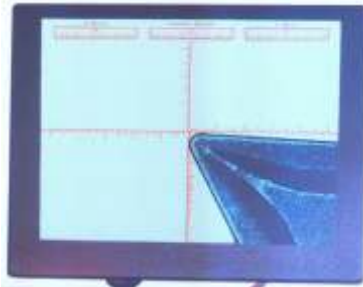
\$899

Please Call for Tool
Pre-Setters...

Tool Pre-Setters

- ▣ Series 975 Measures 0-12" Diameter & 0-18" Height
- ▣ Series 2000 Measures 0-40" Diameter & 0-40" Height
- ▣ Control Resolution: 0.00004" (0.001 mm.)
- ▣ Series 975 - Mechanical Positioning
- ▣ Series 2000 - Servo Motors for Positioning
- ▣ Encoders: Heidenhain
- ▣ Power: 120 VAC

Using Video Measuring & Inspection Technology the Tool Runout May be Calculated Simply By Rotating The Presetter Spindle 360°

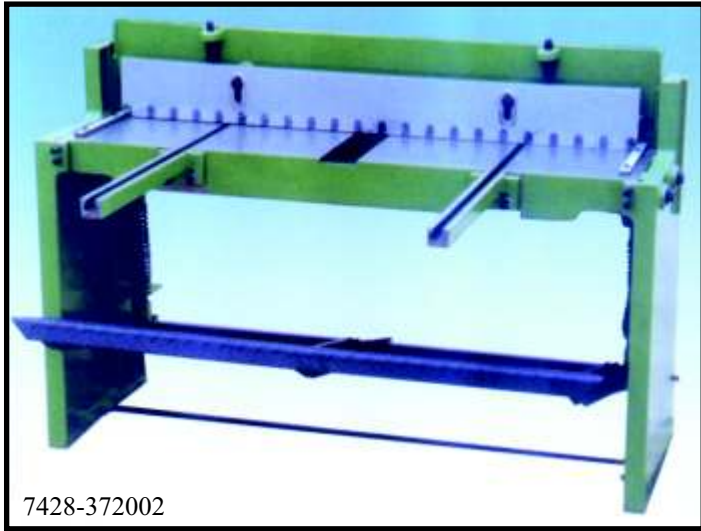


Tool Management & Control Software Available To Integrate & Streamline All Assemblies



Manual Shears & Notchers

52" 16 Gage Foot Shear



7428-372002

\$1,299

Lease From
\$32.⁹⁶/Mth.*



Features:

- 52" Wide x 16 Gage in Mild Steel Foot Shear
- Back Gage, Range: 0-37"
- Weight: 1,056 Lbs.
- Dies are reversible to utilize opposite side to minimize die costs
- Hardened & precision ground dies
- Adjustable Material Hold Down Plate

Throatless Manual Shear



7428-372502

\$299



- Max. Shearing capacity: 1/8"
- Cut various shapes & curves
- Ratchet Shear handle
- Square & Length Gage
- Weight: 47 Lbs.

Hand Notcher

7428-372402

\$599

- Notch: 6"x6"x90deg.
- Versatile tool for shearing, notching and piercing work
- Heavy cast iron construction
- Press capacity: 4 Tons
- Stroke: 3/4"
- Table Size: 12"x18"
- Weight: 231 Lbs.
- Height (not including handle): 18-1/2"



Hand Bench Metal Shears

- Heavy duty structure
- Can be used to cut plate & round bar
- Small & unique device for convenient site work
- Bolts easily to bench or table top
- Adjustable height material hold down piece



Part#	Blade Length	Capacity Round	Capacity Plate	Weight	Price
7428-372102	6"	3/8"	1/4"	31 Lbs.	\$89.99
7428-372103	8"	1/2"	1/4"	40 Lbs.	\$109.99
7428-372105	12"	1/2"	1/4"	62 Lbs.	\$129.99

*All lease rates are OAC. and based on 60 mth. term with 10% buyout. Taxes & Insurance extra.

3 in 1 Machines (Shear/Brake/Roll)

3 In 1 Shear, Brake & Roll For Sheet Metal Work



Features:

- 3 Machines in 1; Shear, Brake, Roll
- Back gage included for length measurement
- 2 Position Handle
- Brake has sectional fingers to allow Box & Pan work
- Slip Roll provided with forming grooves
- Shear Blades are reversible to maximize die life

7428-371004 Shown

**3
Machines
in 1**

In Stock On Our Floor!!!

\$429

\$679

\$1,059

\$1,399

Specifications	#7428-371003	#7428-371004	#7428-371006	#7428-371008
Width	30"	40"	52"	
Shearing Thickness	.040" (18 Gage)			.060" (16 Gage)
Bending Thickness	.040" (18 Gage)			.060" (16 Gage)
Bending Angle	90 Degrees			
Rolling Thickness	.040" (18 Gage)			
Min. Rolling Diam.	1.50"	1.70"		3.00"
Weight	264 Lbs.	440 Lbs.	705 Lbs.	1,034 Lbs.

Box & Pan Manual Brakes

7428-373107

48" 12 Gage



Features:

- Segmented bending blade for the bending of box sections
- Various width segments for flexible set-ups
- Massive solid cast iron & welded plate frames & bases
- Includes extension handles
- Hardened & precision ground dies



7428-373123

New!!!

Lease From \$56.⁹⁶/Mth.*

Lease From \$74.¹²/Mth.*

Lease From \$108.⁴³/Mth.*

Lease From \$139.⁴³/Mth.*

Lease From \$156.⁵³/Mth.*

\$699 **\$2,299** **\$2,999** **\$4,399** **\$5,799** **\$6,499**

*All lease rates are OAC, and based on 60 mth. term with 10% buyout. Taxes & Insurance extra.

Specifications	#7428-373123	#7428-373107	#7428-373109	#7428-373127	#7428-373129	#7428-373130
Width	48"		60"	80"	100"	120"
Capacity (mild steel)	16 Gage	12 Gage	16 Gage	12 Gage	12 Gage	14 Gage
Angle	0-135 Degrees					
Weight	363 Lbs.	1,276 Lbs.	1,056 Lbs.	1,958 Lbs.	2,706 Lbs.	3,410 Lbs.

Bending Machines-Section Benders



CP30PM-LE

\$5,990



\$52,990



Loads of Optional Tooling To Suit Your Application...

EAGLE/BPR SERIES CP MACHINE SPECIFICATIONS AND CAPACITIES

MATERIAL	CP20	CPS-20 BA-20	CP30 P-PR	Z302 P-PR	CPS-35 BA35	CP40 M-H2-H	CPS-50 BA50	CP60-H	CPD-80	CPD-100
Flats, Hard	1x1/4 Ø8"	1x1/4 Ø8"	2x3/8 Ø16"	2x3/8 Ø16"	2x3/8 Ø14"	2-1/4x3/8 Ø20"	2-3/4x1/2 Ø20"	3-1/4x5/8 Ø32"	3-1/2x5/8 Ø32"	4"x3/4" Ø32"
Flats, Easy	1-3/4x3/8 Ø12"	1-3/4x3/8 Ø10"	3x5/8 Ø16"	3x5/8 Ø16"	3-1/2x5/8 Ø16"	4x5/8 Ø16"	4x5/8 Ø14"	4-3/4x7/8 Ø26"	5x1" Ø26"	6"x1-1/4" Ø32"
Square Bar	1/2 Ø5"	1/2 Ø5"	1-1/8 Ø24"	1-1/8 Ø24"	1-1/4 Ø16"	1-3/8 Ø20"	1-1/2 Ø24"	1-3/4 Ø30"	2" Ø32"	2-1/4" Ø32"
Angle, Leg-Out	3/4x1/8 Ø8"	3/4x3/16 Ø8"	1-1/2x3/16 Ø16"	1-1/2x3/16 Ø20"	1-1/2x1/4 Ø16"	2x1/4 Ø24"	2-1/4x1/4 Ø30"	3x3/8 Ø40"	3x3/8 Ø40"	4"x1/2" Ø48"
Angle, Leg-In	3/4x1/8 Ø10"	3/4x3/16 Ø10"	1-1/2x3/16 Ø22"	1-1/2x3/16 Ø24"	1-1/2x1/4 Ø22"	2x1/4 Ø28"	2-1/4x3/4 Ø38"	2-1/2x5/16 Ø34"	3x5/16 Ø40"	3-1/2"x3/8" Ø42"
TEE, Leg-out	1 Ø8"	1 Ø6"	2 Ø16"	2 Ø16"	2 Ø14"	2-1/2 Ø24"	2-1/2 Ø20"	3x5/16 Ø32"	3x3/8 Ø32"	4"x7/16" Ø48"
TEE, Leg-in	1 Ø10"	1 Ø6"	2 Ø20"	2 Ø20"	2 Ø16"	2 Ø24"	2-1/2 Ø20"	3x5/16 Ø40"	3x3/8 Ø36"	4"x7/16" Ø60"
C, Leg-Out	1-1/4 Ø10"	1-1/4 Ø8"	2 Ø12"	2 Ø14"	2-1/2 Ø18"	3 Ø24"	3-3/4 Ø26"	4-1/2x2" Ø32"	5x2" Ø40"	6" Ø40"
C, Leg-In	1-1/4 Ø12"	1-1/4 Ø10"	2 Ø16"	2 Ø16"	2-1/2 Ø20"	3 Ø30"	3-3/4 Ø30"	4-1/2x2" Ø36"	5x2" Ø40"	6" Ø40"
Round Bar	1/2 Ø5"	1/2 Ø4"	1-1/4 Ø24"	1-1/4 Ø24"	1-1/4 Ø16"	1-3/8 Ø20"	1-1/2 Ø24"	2" Ø28"	2" Ø24"	2-1/4" Ø36"
Pipe - Sch. 40	1/2 Ø14"	1/2 Ø12"	1-1/2 Ø20"	1-1/2 Ø30"	1-1/2 Ø20"	2 Ø40"	2 Ø36"	2-1/2 Ø36"	3 Ø48"	4" Ø72"
Round Tube	1" Ø16"	1" Ø16"	2-3/8x1/16 Ø40"	2-3/8x1/16 Ø40"	2-1/2x1/16 Ø30"	2-3/4x1/4ga Ø60"	2-1/2x1/4ga Ø34"	4x15ga. Ø72"	4x12ga. Ø50"	5"x12 GA. Ø96"
Square Tube	3/4x1/16 Ø12"	3/4x1/16 Ø12"	1-1/2x1/8 Ø40"	1-1/2x1/16ga Ø40"	1-1/2x1/8 Ø40"	2x1/8 Ø48"	2-1/4x1/8 Ø50"	2-1/2 x11ga. Ø48"	2-1/2 x5/32 Ø80"	3-1/2"x10.150/372"
Rect. Tube	1-1/4x3/8x1/16"	1-1/4x3/8x1/16"	2x1x0.120"	2x1x0.120"	2x1-1/4x0.120"	2-1/4x1-1/2 x0.120"	2-3/4x1-1/2 x0.120"	3x1-1/4 x0.120"	3x1-1/2 x0.120"	4"x2-1/4"x5/32"

Machine Versions: H = Hydraulic Roll Adj. • M = Manual Roll Adj. • E = Hand Controls • PR = Horizontal/Vertical Operation • P = Foot Controls • 2V = Dual Speed • REV = Variable Speed • H2 = Two Driven Rolls

Bending Adjustment	M	H	M	M	H	H - M	H	H	Dbl. Pinch Hyd.	Dbl. Pinch Hyd.
Driven rolls	2	3	2	2	3	H=3 M=2	3	2	3 Hyd. Drive	3 Hyd. Drive
Rolling speed fpm	10	10	10.5	9.0	13	14	16	14	16	0-18
Working plane	Vertical	Vertical	Vert. - Vert./Horiz	Vert./Horiz	Vert./Horiz	Vert./Horiz	Vert./Horiz	Vert./Horiz	Vert./Horiz	Vert./Horiz
Repeat control	LED Readout	Auto-Repeat	LED Readout	Analog Scale	Auto-Repeat	Auto-Repeat	Auto-Repeat	Auto-Repeat	Auto-Repeat	Auto-Repeat
Installed power - HP	0.44	0.75	1.25	1.0	2.25	3.8	4.75	6.2	6	7.5
Approx. dimensions	13 x 24 x 17 h	13 x 24 x 45 h	27 x 22 x 48 h	26 x 22 x 49 h	27 x 32 x 40 h	28 x 38 x 54 h	33 x 44 x 49 h	38 x 51 x 63 h	37 x 51 x 50 h	44 x 65 x 55h
Approx. Ship wt. lbs.	240	400	550	500	1100	1450	1650	2850	4000	6300

Spence Distributors Ltd. Phone Toll Free: (800) 694-4021 Fax (204) 694-6058 89 Merit Cres. West St. Paul, MB. R2P 2W5
e-mail: sales@spencedistributors.com website: www.spencedistributors.com

Manual Benders

Hand Pipe Bender Kit



7428-373215

\$299



Features:

- Round Pipe (Outer Diameter): 3/8", 1/2", 9/16", 5/8", 3/4", 7/8"
- Square Pipe (Outer Dimension): 3/4", 1"
- Pipe Thickness: .030"-.047"
- Max. Bending Angle: 180°
- Weight: 54Lbs.

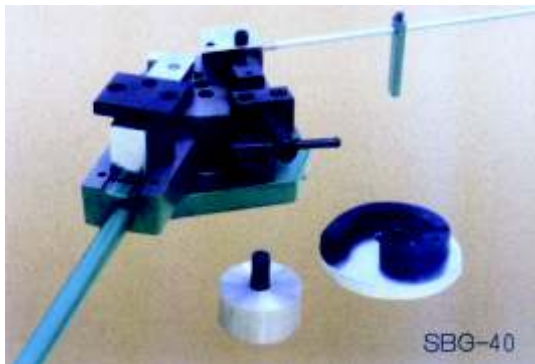


Universal Bender

Features:

- Heavy Duty bender with bending capacity of 29 tons
- Make radius, rings, spirals, angle bending & more
- Max. Capacity round bars: 5/8"
- Max. Capacity square bars: 19/32"
- Max. Capacity flat bars: 1-3/16"x5/16"
- Fully adjustable
- Bolt on to work bench or stand
- Handle is removable for convenience

7428-373203

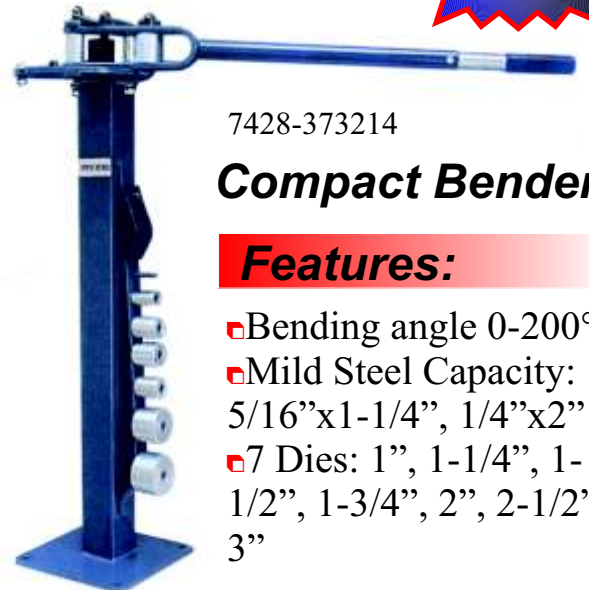


\$249

New!!!



\$159



7428-373214

Compact Bender

Features:

- Bending angle 0-200°
- Mild Steel Capacity: 5/16"x1-1/4", 1/4"x2"
- 7 Dies: 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/2", 3"

Tube/Pipe Benders



UNI-42MAN
Manual



\$2,090

**Lease From
\$51.⁹⁶/Mth.***



UNI-42D
Digital

\$5,790

**Lease From
\$138.⁹⁶/Mth.***

UNI 42 Manual Pipe Bending Machine, an accurate and powerful pipe bending machine able to bend large pipe diameters with optimum and constant bending radii and without any pipe deformation.

Available in a Digital and Manual Version

Features:

- Aluminum Body, Tempered steel gears on ball bearings
- Max. Bending angle 180°
- Max. 1" Schedule 40 pipe
- Max. Tube O/D: 1-1/2"x12Ga.
- Max. Bend Radius: 6.5"
- Manual Clamping Type
- Optional: Positioning Table
- Dimensions (without stand): 15.75"Lx 8"Wx 10"H
- Voltage: 220V 1Ph.

Features:

- Aluminum Body, Tempered steel gears on ball bearings
- Asynchronous motor 1.3HP 220V 2,800Rpm
- Digital control panel with microprocessor for programming the angle bend. Capable of storing 9 bending programs with up to 9 bends per program
- 24V electronic control voltage
- Bending angle regulation
- Electrobrake
- Automatic return to stop
- Max. Bending angle 180°
- Max. 1-1/2" Schedule 40 pipe
- Max. Tube O/D: 2"x11Ga.
- Max. Bend Radius: 7.75"
- Manual Clamping Type
- Optional: Positioning Table
- Dimensions (without stand): 20.5"Lx 8.25"Wx 16"H
- Weight (without stand): 132Lbs.
- Voltage: 220V 1phase



\$7,090

**Lease From
\$170.⁹⁶/Mth.***

UNI 60 Digital Bending Machine an accurate and powerful bending machine able to bend large diameters as well as thin and delicate pipes with optimum and constant bending radii and without any pipe deformation



UNI-60D
(with stand)



\$6,590

**Lease From
\$159.⁹⁶/Mth.***



UNI-70D



Digital
Control Panel

\$10,590

**Lease From
\$269.⁹⁶/Mth.***

Features:

- Cast Iron Body, Tempered steel gears on ball bearings
- Asynchronous self braking motor
- Digital control panel with microprocessor for programming the angle bend. Capable of storing 70 bending programs with up to 6 bends per program
- 24V electronic control voltage, Automatic return to stop
- Max. Bending angle 180°
- Max. 2" Schedule 40 pipe
- Max. Tube O/D: 2-3/8"x11Ga.
- Max. Bend Radius: 9.5"
- Manual Clamping Type
- Optional: Positioning Table
- Weight: 472Lbs.
- Voltage: 220V 3phase



Rolls & Formers



50" x16 Gage Slip Roll



7428-374005



Hardened Gears



Large Crank



Wire Grooves

7428-374003

36" Wide x 22 Gage
2" Diameter Rolls
Weight: 176Lbs.

\$459

7428-374903

Stand For 36" Slip Roll

\$129

7428-374005

50" Wide x 16 Gage
3" Diameter Rolls
Weight: 440Lbs.

\$769

7428-374905

Stand For 50" Slip Roll

\$159

Features:

- ▣ Precision Ground Cast Iron Rollers
- ▣ Quick Release Top Roller
- ▣ Hardened Steel Gearing
- ▣ Maximum Gage capacities are for mild steel

New!!!

Electric 50" x16 Gage Slip Roll

- ▣ Precision Ground Cast Iron Rollers
- ▣ Quick Release Top Roller, Hardened Steel Gearing
- ▣ 2Hp. Motor
- ▣ Weight: 748Lbs.

7428-3911101



\$2,799

Lease From \$69.⁹⁶/Mth.*



Rotary Machine

- ▣ Includes 6 sets of rolls to perform; Wiring, Crimping, Ogee Bead, Single Bead, Below Edging, Closing, Flanging, Swaging, Shearing
- ▣ 22 Gage Capacity
- ▣ 7" Throat
- ▣ 2" Shaft Center Distance



7428-373205

\$449



A3I Series

Model	Length	Cap.	Roll	Hp.	Weight	Price	Lease
A312-104	3'	9 ga.	4.53"	3	1,800	\$14,890	\$350.50
A311-105	3'	3/16"	4.72"	4.5	2,000	\$17,190	\$395.95
A313-106	3'	7/32"	5.12"	6	2,300	\$19,390	\$446.55
A314-107	3'	1/4"	5.91"	6	2,980	\$24,890	\$563.64
A312-153	5'	11 ga.	4.53"	3	2,100	\$15,590	\$359.15
A311-154	5'	9 ga.	4.72"	4.5	2,420	\$17,790	\$409.75
A313-155	5'	3/16"	5.12"	6	2,700	\$19,990	\$460.35
A314-156	5'	7/32"	5.91"	6	3,520	\$21,690	\$491.32
A314-156.5	5'	1/4"	6.70"	8.5	4,200	\$23,390	\$529.74
A315-157	5'	9/32"	6.75"	8.5	4,400	\$28,990	\$624.36
A312-202	6'	14 ga.	4.53"	3	2,640	\$15,690	\$361.45
A313-203	6'	11 ga.	5.12"	6	3,200	\$19,990	\$460.35
A314-204	6'	9 ga.	5.91"	6	3,850	\$22,990	\$520.70
A315-205	6'	3/16"	6.70"	8.5	5,060	\$28,690	\$617.91
A316-206	6'	7/32"	7.48"	11.5	7,900	\$35,890	\$772.71
A313-252	8'	14 ga.	5.51"	6	3,960	\$22,290	\$504.88
A314-253	8'	11 ga.	6.30"	6	4,400	\$25,090	\$540.51
A315-254	8'	9 ga.	7.08"	8.5	6,490	\$30,890	\$665.21
A316-255	8'	3/16"	7.48"	11.5	9,240	\$38,890	\$837.21
A313-301	10'	20 ga.	5.51"	6	4,410	\$24,990	\$565.90
A314-302	10'	14 ga.	6.30"	6	5,720	\$27,990	\$602.86
A315-303	10'	12 ga.	7.48"	8.5	7,920	\$34,790	\$749.06
A316-304	10'	9 ga.	7.87"	11.5	10,230	\$42,490	\$914.61



Solid Stock Gears
Heavy Duty Electro-Mechanical Drive



Manual Pinch Adj.
Top Roll Release
Lock Pinch & Bend
Roll Position Scales



Optional Factory
Supplied LED Digital
Readout W/Auto-
Repeat (Includes
larger control
console)



A313-155 w/Standard
Push Button Console

Features:

- Top roll & pinch rolls power driven
- Powered forming roll up/down
- Forward/Reverse rotation & forming roll adjustment pushbutton control
- Pinch adjustment via precision worm drive
- Top roll quick forward release for swift part removal, electric safety interlocked
- Bending & pinch roll incline for cones
- All controls in 24 VAC low voltage
- Emergency palm stop & safety trip wire
- Linear scales for precise positioning
- Key switch lockout



A3I Series Options:

- Induction Hardened rolls
- Cone rolling device
- Digital LED Readout w/auto repeat
- Extended shafts for section dies
- Section bending dies
- Powered third roll rotation
- Powered pinch adj. Up/Down
- Section bending dies
- Alignment groove & rod grooves
- Foot pedal rotation control

Features:

- Top roll & pinch rolls power driven
- Forward/Reverse rotation via foot pedals
- Manual bending roll adjustment via precision worm drive & gear reduction
- Top roll quick forward release for swift part removal, safety interlocked
- Efficient, easily adjustable cam type pinch setting
- Bending roll inclines for cones, Rod rolling grooves
- All controls 24 VAC low voltage
- Palm E-Stop & safety trip wire
- Linear scales for roll positioning

LS Series



LS Series Options:

- Induction Hardened rolls
- Cone rolling device
- Digital LED Readout
- Powered Up/Down on bend roll
- Powered rotation on bend roll

Model	Length	Capacity	Roll	Hp.	Weight lbs.	Price	Lease/mth
A 35-10/1.2	3'	18 ga.	2.4"	0.75	858	\$7,990	\$192.36
A 38-10/2	3'	14 ga.	3.0"	1	910	\$8,890	\$213.96
A 39-10/3	3'	12 ga.	3.5"	1.5	1,100	\$11,190	\$263.55
A 38-13/1.5	4'	16 ga.	3.0"	1	995	\$9,290	\$223.56
A 39-13/2.5	4'	12 ga.	3.5"	1.5	1,215	\$11,490	\$270.60
A 38-15/1.3	5'	18 ga.	3.0"	1	1,100	\$9,690	\$233.16
A 39-15/2	5'	14 ga.	3.5"	1.5	1,325	\$11,790	\$277.65
A 38-20/1	6'	20 ga.	3.0"	1	1,240	\$10,290	\$242.40
A 39-20/1.5	6'	16 ga.	3.5"	1.5	1,550	\$12,490	\$294.10
A 310-20/2	6'	14 ga.	4.5"	2	2,530	\$14,590	\$343.45



Surface Grinders

KGS-200



KGS-1020AHD



Features:

- High, rigid casting which has been stress relieved
- "H" column type construction utilized in column guide way
- Precision class P4 roller bearings utilized in spindle
- Double "V" type turcite guide way for saddle & base
- Steel ball guide way for longitudinal travel
- Auto oil feed pump provides lubrication to all leadscrews & guide ways for automatic machines. Manual machines have one-shot centralized lubrication.
- Gear clutch has been utilized on cross & longitudinal hand-wheels.
- Zero setting device has been used on cross & longitudinal dial

**We Stock A Complete Range Of
Toolroom Wheels To Suit Your
Application...**

Call Today!

Specifications	KGS-200	KGS-818	KGS-818AH	KGS-1020M	KGS-1020AH	KGS-1020AHD	KGS-1224AHD	KGS-1632AHD
Working Surface of Table	6.3"x18.1"	8"x18"		10"x20"		12"x24"		16"x32"
Max. Grinding Dimension	7.87"x19.1"	8"x18.9"		10"x23.2"	10"x21.5"		14.5"x26"	17.7"x36"
Max. Table Travel (manual)	19.4"	20"		24.4"				
Max. Table Travel (hydraulic)	--	--	18.4"	--	22.6"			
Max. Cross Travel (manual)	8.66"	8.8"		11"				
Max. Cross Travel (hydraulic)	--	--	8.5"	--	10.8"			
Dist. Between Table Surface & Spindle Center	20.9"	20.87"		21"		23-5/8"		
Vertical Handwheel Graduations	0.0002"		0.0005"		.001"/.00005"/.00025"			
Vertical Handwheel - 1 Revolution	0.05"		0.10"		.1/.025" - 2/.5"			
Automatic Downfeed Increment	--		--		.0001"-.0005"		.0002"-.0010"	
Crossfeed Handwheel Graduations	0.0005"	0.001"		0.001"				
Crossfeed Handwheel - 1 Revolution	0.1"	0.2"		0.2"				
Automatic Crossfeed Increment	--	--	0-0.335"	--	0-0.335"			
Grinding Wheel (ODxTxID)	8"x1"x1.25"		14"x1.5"x5"					
Spindle Speed (Rpm.)	3450		1740					
Spindle Motor (Hp.)	2		3		5		7	
Net Weight (Lbs.)	2420	2700	2950	3255	3640	3696	4200	6270
Price	\$7,395	\$8,795	\$14,399	\$9,795	\$15,495	\$16,995	\$25,995	\$37,995
Lease From/mth.	\$178.08	\$211.68	\$338.96	\$235.61	\$356.96	\$391.46	\$559.97	\$817.97

Bench Grinders

Kalamazoo Industries

6"

\$399



1SK6

- 2 Machines in one
- 6" Bench Grinder
- 1"x42" belt sander
- Use belt sander in horizontal or vertical position
- Has tilt table
- Removable platen
- 1/3Hp 110V Motor 3,450 Rpm.
- Weight: 32 Lbs.

7"

\$759



2SK7

- 2 Machines in one
- 7" Bench Grinder
- 2"x48" belt sander
- Use belt sander in horizontal or vertical position
- Has tilt table
- Removable platen
- 1/2Hp 110V Motor 3,450 Rpm.
- Weight: 50 Lbs.

6" Bench Grinder

- 1/2Hp. Motor 110V 3,500 Rpm.
- Permanently lubricated motor bushings
- Adjustable shatter-resistant plastic eye shield
- Adjustable tool rests
- Removable wheel covers for easier wheel changes
- 1/2" arbor

\$59



7299-600-0030



6"

\$219



602RE

- Non-exhaust type guards
- Wheel: 6"x3/4"x1/2"
- Eyeshields & tool rests
- 1/3Hp 115V Motor 3,600 Rpm.
- Weight: 29 Lbs.

6"

\$239



612R

BALDOR

GA14R

BALDOR

7"

\$369



712R

- Non-exhaust type guards
- Wheel: 7"x1"x5/8"
- Eyeshields & tool rests
- 1/2Hp 115V Motor 3,600 Rpm.
- Weight: 43 Lbs.

BALDOR

8"

\$739



8123W

- Exhaust type guards
- Wheel: 8"x1"x3/4"
- Eyeshields & tool rests
- 3/4Hp 208-230V Motor 3,600 Rpm.
- Weight: 112 Lbs.

8"

\$859



8123WD

- Same as Model 8123W except:
- Guards and tool rests are cast iron
- Lighted eyeshields

\$199

- Stands for 6", 7" & 8" Baldor Grinders



GA16R

\$269

BALDOR

10"

\$959



1021W

- Exhaust type guards
- Wheel: 10"x1"x7/8"
- Eyeshields & cast iron tool rests
- 1-1/2Hp 208-230V Motor 1,800 Rpm.
- Weight: 134 Lbs.

12"

Includes Stand

- Exhaust type guards
- Wheel: 12"x2"x1-1/4"
- Massive Pedestal
- Lighted Eyeshields & cast iron tool rests
- 3Hp 208-230V Motor 1,800 Rpm.
- Wheels - not included
- Weight: 379 Lbs.



1216W

\$2,699

14"

Includes Stand

- Exhaust type guards
- Wheel: 14"x3"x1-1/4"
- Massive Pedestal
- Lighted Eyeshields & cast iron tool rests
- 5Hp 230V Motor 1,800 Rpm.
- Wheels - not included
- Weight: 484 Lbs.



1406W

\$3,259

10"

\$1,099



1021WD

- Same as Model 1021W except:
- Lighted eyeshields

Belt Sanders

Kalamazoo Industries

1SM



- ▣ 4" Contact wheel
- ▣ Tilt table
- ▣ Vertical sander only

2FSM



- ▣ 5" Contact wheel
- ▣ Tilt table & removable platen
- ▣ Vertical or Horizontal position
- ▣ Full hinged guard for quick belt change

S4S



- ▣ All-purpose sander for metal, wood & plastic
- ▣ Vertical or Horizontal position
- ▣ Full hinged guard for quick belt change

2FSMV



- ▣ Same as 2FSM sander, but mounted on dust collector base

S4SV



- ▣ Same as S4S sander, but mounted on dust collector base

**Built-In
Dust
Collector**

S460D



- ▣ Direct Drive
- ▣ Reversible platen 4"x17"
- ▣ Table: 4"x6"
- ▣ Quick Belt Change

S460V



- ▣ Direct Drive
- ▣ Reversible platen 4"x17"
- ▣ Table: 4"x6"
- ▣ 3,600 SFPM.
- ▣ Quick Belt Change
- ▣ Horizontal model available

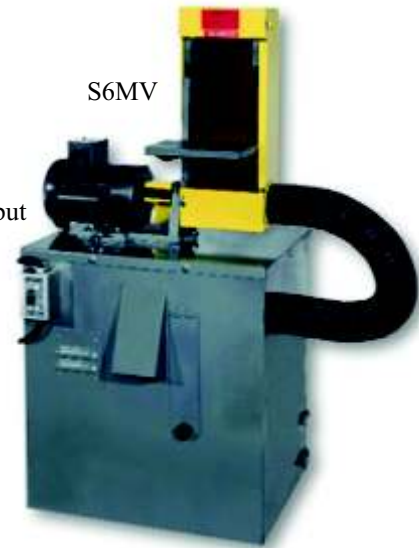
**You Can Lease Any
Piece of Equipment
Over \$1,000...**

S6MS



- ▣ Variable position
- ▣ Direct drive
- ▣ Cast iron frame
- ▣ Heavy-duty steel stand
- ▣ Reversible platen 6-1/2"x14"
- ▣ Cast iron table: 6"x10", 1/2" slot x 1/8"
- ▣ Optional 5Hp. motor available

S6MV



- ▣ Same as S6MS, but with heavy duty enclosed stand & vacuum dust collector

**...Call Today And Be
Pre-Approved Within
Hours!**

Specifications

	1SM	2FSM	S4S	2FSMV	S4SV	S460D	S460V	S6MS	S6MV
General									
Belt Size	1"x42"	2"x48"	4"x36"	2"x48"	4"x36"	4"x60"		6"x48"	
Motor (Hp.)	1/3	1/2			1		3		
Voltage	110V 1ph.					220V 1ph. or 3ph.			
Weight (Lbs.)	32	48	50	120	120	145	485	230	400
Price	\$279	\$499	\$739	\$1,069	\$1,289	\$1,279	\$2,299	\$1,490	\$2,329
Lease From/Mth. (Over 36 months)	--	--	--	\$39.22	\$47.11	\$46.75	\$83.32	\$54.31	\$84.39

Belt Grinders

Kalamazoo Industries

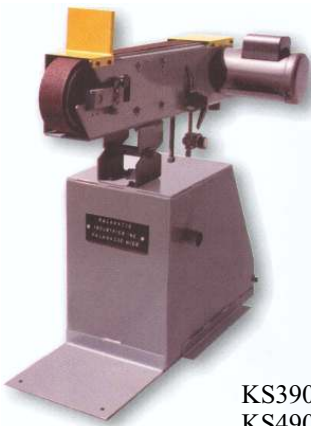
Made In U.S.A. 

BG272



- ▣ Open area design for easy access
- ▣ Throat: 10"Hx13"D
- ▣ 5" lower contact wheel
- ▣ Direct Drive
- ▣ Easy belt tracking

Multiple Position Belt Grinder



KS390
KS490

- ▣ 8" Contact wheel
- ▣ Direct drive
- ▣ Versatile - May be used vertically or horizontally in multiple positions
- ▣ Air belt tension
- ▣ Air gage with valve & regulator
- ▣ 3"x24-1/2" steel reversible platen



BG260HS

- ▣ Heavy-duty direct drive
- ▣ 8" contact wheel. Right side clear for corner sanding
- ▣ 2"x12"x1/2" reversible platen
- ▣ Easy tracking
- ▣ 2"x3" work table, dual purpose for contact wheel & top platen
- ▣ Spring loaded belt tension
- ▣ Quick belt change



Multi-Purpose Belt Grinder

S272V

- ▣ One Machine for: Grinding, Shaping, Contouring, Flat Work, Angles, Snagging, Roughing
- ▣ Versatile - quick change contact wheel (3" & 1-1/2") with various angles. Easy to change
- ▣ Platen rotates 360 deg. For many different shapes of sanding
- ▣ Dust collector base



Also Available... 8", 10" & 14" Wide Belt Sanders Please Call!

KS390HV
KS490HV



- ▣ 8" Contact wheel
- ▣ Direct drive
- ▣ Air belt tension
- ▣ Dust collector base
- ▣ 3"x24-1/2" steel reversible platen



KS690HV

- ▣ 6"Wx8" diam. 70 duro serrated contact wheel
- ▣ 6"x24" platen for flat work
- ▣ 400CFM vacuum base
- ▣ Air belt tension
- ▣ Spark chute horizontal/vertical

Specifications

	BG272	BG260HS	KS390	KS490	S272V	KS390HV	KS490HV	KS690HV
General								
Belt Size	2"x72"	2"x60"	3"x90"	4"x90"	2"x72"	3"x90"	4"x90"	6"x90"
Belt Speed (SFM)	7200	5400	6900		5400	6900		7200
Motor (Hp.)	1	3	3	3	1	5		
Voltage	110/220V 1ph.		110/220V 1ph OR 220V 3ph			220V 3ph.		
Weight (Lbs.)	80	150	295	295	350	390	390	400
Price	\$1,469	\$1,469	\$2,639	\$3,599	\$2,199	\$4,189	\$4,399	\$5,879
Lease From/Mth. (Over 36 months)	\$53.56	\$53.56	\$93.64	\$127.38	\$79.73	\$148.12	\$155.50	\$204.81

Disc & Combination Disc/Belt Sanders

Kalamazoo Industries

DS10



\$489

- 6"x11" Table
- Table Tilts 45deg. Down, 15deg. Up

DS12



\$899

- 8"x14" Table
- Table Tilts
- Optional Miter Gauge

DS10V



\$1,129

Built-In Dust Collector

Lease from \$37.⁷⁹/mth. Over 36 Months

DS12V



\$1,529

Lease from \$52.¹³/mth. Over 36 Months

DS20



\$2,999

Lease from \$104.¹⁸/mth. Over 36 Months

- Reversing switch
- Tilt table with miter gauge
- Optional 220V 1 phase with 1-1/2Hp Motor

All Tables Tilt For Mitering

Lease from \$41.⁷³/mth. Over 36 Months

\$1,239



DS10-4S

DS10-2M



\$799

Lease from \$85.¹¹/mth. Over 36 Months

\$2,449

We Stock A Complete Range Of Abrasive Belts & Discs To Suit Your Application...



S612V

Vacuum Base

Specifications		DS10	DS10V	DS12	DS12V	DS20	DS10-2M	DS10-4S	S612V
Capacity	Disc Size	10"		12"		20"		10"	12"
	Belt Size			--			2"	4"	6"
General	Voltage (standard)	110/220V 1ph.				220V 3ph.	110/220V 1ph.		220V 1 or 3ph.
	Weight (Lbs.)	48	110	85	150	528	76	76	500
	Motor (Hp.)	1/2		1		2	1/2		3
	Dust Collector in Stand	No	Yes	No	Yes	No	No	No	Yes
	Stand	No	Yes	No	Yes	No	No	No	Yes

Dust Collectors & Vibratory Finishers

Kalamazoo Industries

Dust Collector

\$1,569

DCV-1

Lease from \$53.⁵⁶/mth.
Over 36 Months



DCV-1 Dust collector unit for heavy-duty applications. Use with 20" abrasive saws and 8" belt sanders. Capacity: 1200 CFM. Dust bag furnished with unit. Motor: 3Hp. 220V 3ph.. Weight: 280 Lbs.. Dimensions: 24"Lx24"Wx40"H

Vibratory Finisher

KVF3

Lease from \$137.⁹³/mth.
Over 36 Months

\$3,999



- 3.3 Cubic ft. Capacity
- Quiet operation
- Great for polishing, deburring & finishing
- 500Lb. Capacity
- Compact Design
- Portable - On wheels
- Vibra action rotates media
- Easy to load & unload
- Steel tub w/cast urethane lining

KVF3 Cabinet: 36"Wx27"Dx36"H.
Tub: 28"Lx15"Wx15"H. Motor: 3/4Hp.
1ph. 110V. Weight: 640 Lbs.

**Flexible Financing Terms Available
To Suit Your Needs!**

Dust Collector

\$1,129



Lease from \$37.⁰⁰/mth.
Over 36 Months

DCV-6

DCV-6 Dust collector with filter. Used for 6" sanders and various other models. Capacity: 400 CFM. Motor: 1Hp. 1ph. or 3ph.. Weight: 240 Lbs.. Dimensions: 27"Lx18"Wx28"H

Dust Collector

DCV-4



\$699

DCV-4 Dust collector used with 4" sander, could be used with 2" machines. Capacity: 100 CFM. Dust bag furnished with unit. 1ph.. Weight: 58 Lbs.. Dimensions: 12"Lx14"Wx32"H

Visit Us On
The Web At

www.spencedistributors.com

Pipe Notchers

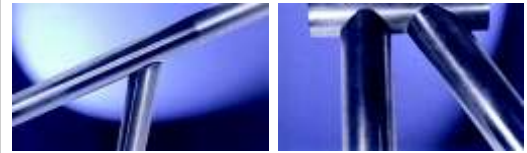


NJYAL100

\$7,999

Lease From \$189.⁴³/Mth.*

Create perfect notches in just seconds using Jancy's line of pipe & tube notching equipment. These notchers are ideal for steel & stainless steel tube & pipe construction hand railings, gates & fences, race car frames & roll cages, furniture frames & stainless steel plumbing for restaurant and dairy. Jancy's equipment requires no costly dies, holesaws, grinding wheels or torch flame cutting.



- Notches via adjustments from 0-60 degrees
- Produces gap free fits ready for welding
- One vise holds all pipe & tube sizes
- Two axis cross feed assembly
- Top mounted deburring surface
- 10 belts & three mandrels of your choice are included with unit
- Tool-free belt & mandrel change over
- Smooth operation with minimal vibration
- Belt Speed: 98.4 feet/second



NJYAL100U

\$4,899

Lease From \$122.⁴³/Mth.*



Specifications

NJYAL100U NJYAL100 NJYAL150

Capacity	Belt Size	4"x78-3/4"		6"x78-3/4"
	Grinding Capacity	3/4"-3" O.D.		3/4"-4-1/2" O.D.
General	Voltage (standard)	220V 3ph.		
	Weight (Lbs.)	430	517	625
	Motor (Hp.)	4		5-1/2
	Dimension	59"x47"x19-1/2"		59"x47"x26-1/2"



NJYAL150

Lease From \$215.⁴³/Mth.*

\$8,899

Electric 3-1/2Hp. Motor Driven Pipe Notcher

Lease from \$49.⁵⁶/mth



\$1,999

#7428-376206

PTN12U

- Equipped to notch 3/4", 1", 1-1/4", 1-1/2", 2" pipe
- Pipe with vent notcher
- Automatic Notching of several diameters of tube or pipe, reducing costly setup time & additional tooling.
- 145 Lbs.
- 25-1/2"x13-1/2"x11-1/2"

Mechanical Lever Notchers

- Offer efficient & productive pipe notching at a low cost
- Workpiece is quickly & accurately notched to a proper fit, eliminating costly filing & grinding operations
- Portable & easy to mount on any stationary surface
- Notch several diameters up to schedule 40 wall thickness
- Require no change over or costly attachments
- Simply insert a pipe into the die block, utilizing an eccentric shaft & lever system, and pull the handle downward... A perfect notch every time!

Capacities:

#7428-376203 (1/4", 3/8" & 1/2" pipe) **\$199**

#7428-376204 (3/4", 1" & 1-1/4" pipe) **\$249**

#7428-376205 (1-1/2", 2" pipe) **\$399**



Portable Magnetic Drills



HOLEMAKER

HOLEMAKER:

- Compact Size - only 15" high x 7" wide
- Lightweight - only 30 Lbs.
- External coolant
- Includes carrying case



2X2

2X2:

- 2 Speed gearbox
- 2" diameter through 2" material
- External coolant
- Includes carrying case



4X4

4X4:

- 4 Speed gearbox
- 4" diameter through 3" material
- External coolant
- Includes carrying case



JM101

JM101:

- Proven performer
- Lightweight - only 28 Lbs.
- Includes carrying case



USA5

USA5:

- 2 Speed gearbox
- 2-3/8" diameter through 3" material
- Internal coolant system
- Includes carrying case



MAGFORCE

MAGFORCE:

- Ultra Compact Size - only 11-1/4" working height (*without bottle*)
- Adjustable cutter guard with built-in chip breaker
- Lightweight - only 27 Lbs.
- Through spindle coolant system with removable reservoir
- Permanent quill system requires no adjustment
- Stationary motor
- Smart magnet circuitry
- Includes carrying case

We Stock A Complete Range Of Cutters!

AIRFORCE:

- Ultra Compact Size - only 7" working height
- Lightweight - only 24 Lbs.
- Ergonomic feed handle increases productivity
- Powerful air motor with on/off switch
- Permanent magnetic base with increased holding strength
- Uses Slugger's Frame cutters
- No electrical components or connections
- No pilot drilling required
- Designed to cut truck frames without removing tires
- Includes carrying case



AIRFORCE

Specifications

	Holemaker	JM101	Magforce	2X2	USA5	4X4	Airforce	
Capacity	Max. Diameter	1-3/8"		2"	2-3/8"	4"	1-1/16"	
	Max. Depth		2"			3"	3/4"	
	Total Travel	4"	2-9/16"		3-5/8"	8-7/16"	3/4"	
Dimension	Height	15"	16-1/4"	12"	21"	23-3/4"	31-1/2"	7"
	Width	7"	7-1/2"	6-1/2"	8"	7-1/2"	9-1/2"	6-1/2"
	Length	12"	9-3/8"	11-1/2"	12"	11"	16"	14"
	Weight (Lbs.)	30	28	27	36-1/4	51	73	24
General	Arbor Bore	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Spindle Bore	3/4"	3/4"	3/4"	MT#2	3/4"	MT#3	3/4"
	Motor (Hp.)	1.4	0.9	1.6	1.6	1.8	1.8	Pneumatic
	Rpm (unloaded)	350	450	395	210/420	270/520	100/150/200/310	400
	Mag. base dim.	3-1/3"x6-2/3"	3"x6-1/4"	4"x6-1/2"	3-1/2"x8"	4"x7-1/2"	4-3/4"x9-1/2"	3-1/4"x5-5/8"
	Magnet Dead Lift (on 1" plate)	2,350 Lbs	1,480 Lbs	1,810 Lbs	2,657 Lbs	2,320 Lbs	4,833 Lbs	1,649 Lbs.
	Drill Point Breakaway (on 1" plate)	1,095 Lbs	650 Lbs	1,096 Lbs	1,111 Lbs	950 Lbs	1,934 Lbs	650 Lbs.
Voltage	120/240V 1ph	120V 1ph		120/240V 1ph			--	
Price	\$889	\$1,469	\$1,759	\$1,759	\$2,199	\$2,499	\$2,939	
Lease from/mth. (over 36 mths.)	--	\$53.56	\$62.40	\$62.40	\$79.73	\$88.72	\$104.18	

Portable Hand Held Metal Cutting Saws



Each Machine Includes:

- 1 Steel cutting blade
- Carrying Case
- Safety glasses, Ear Plugs
- Cutting guide
- Retracting blade guard
- Chip retention chamber

**NOW YOU CAN CUT...
Steel, Aluminum &
Stainless Steel as fast and
easy as cutting through
Wood!!!**

■ **CUTS COOL** - You can pick the part up with your bare hand immediately after sawing it. Little to no sparks generated while cutting

■ **CUTS FAST** - Examples: *Cuts through 6"x1/4" thick steel plate in 12 SECONDS!, Cuts through 2"x2"x1/4" angle iron in 7.4 SECONDS!*

■ **CUTS SMOOTH** - Cuts with little vibration leaving a very smooth & accurate cut

**Don't Believe It... Let Us do A
Demo For You, Call Today!**



Evolution™ 180

- Weight: 13 Lbs.
- Arbor size: 20mm.
- 110V 11 amp.
- 2-1/4 Hp.
- 3,500 Rpm.
- 7" blade
- Max. cutting depth: 2.36"

\$459



Evolution™ 230

- Weight: 16 Lbs.
- Arbor size: 1"
- 110V 15 amp.
- 3-1/4 Hp.
- 2,700 Rpm.
- 9" blade
- Max. cutting depth: 3.25"
- Bevel Cut: 0-45deg.
- Laser Sight Guide

\$659

**60 DAY
SATISFACTION
GUARANTEE**

Carbide Circular Metal Blades:

Blade Diameter	Part Number	# of Teeth	Arbor	Application	Max. Rpm.	Price
6-1/2"	1030-100069	40	5/8"	Steel	4200	53.99
	1030-100083	60		Aluminum		47.99
	1030-100076	48		Thin Steel		49.99
6-3/4"	1030-100090	40	20mm	Steel	4200	48.99
	1030-100113	60		Aluminum		45.99
	1030-100106	48		Thin Steel		51.99
7"	1030-100120	30	20mm	Wood	5800	37.99
	1030-100137	36		Steel		52.99
	1030-100151	54		Aluminum		54.99
	1030-100168	68		Thin Steel		68.99
	1030-100144	48		Stainless Steel		79.99
7-1/4"	1030-100175	40	5/8" KO	Steel	5800	49.99
	1030-100182	50		Steel		49.99
	1030-100199	60		Aluminum		48.99
	1030-100397	68		Thin Steel		59.99
7-1/2"	1030-100205	40	20mm	Steel	5800	51.99
	1030-100212	50		Steel		51.99
	1030-100229	60		Aluminum		49.99
	1030-100236	68		Thin Steel		61.99
8"	1030-100243	40	20mm	Steel	5800	57.99
	1030-100250	50		Steel		58.99
	1030-100267	60		Aluminum		58.99
	1030-100174	68		Thin Steel		63.99
8-1/4"	1030-100281	50	5/8" KO	Steel	5800	60.99
9"	1030-100298	40	1"	Wood	3200	42.99
	1030-100304	48		Steel		65.99
	1030-100328	80		Aluminum		81.99
	1030-100311	68		Thin Steel		83.99
	1030-100403	60		Stainless Steel		88.99
10"	1030-100410	52	5/8"	Thin Steel	5200	88.99
	1030-100427	80		Aluminum		88.99
12"	1030-100335	60	1"	Steel	2000	122.99
	1030-100359	80		Aluminum		130.99
	1030-100342	80		Thin Steel		151.99
14"	1030-100366	72	1"	Steel	1800	156.99
	1030-100373	80		Aluminum		166.99
	1030-100380	90		Thin Steel		186.99

Metal Dry Cut Carbide Tip Circular Saw

MORSE

CSM 14B 14" METAL CUTTING SAW

UNIQUE SELLING POINTS

The CSM 14B utilizes Dry Cut Technology with Circular Saw Blades

- Faster cutting
- Little to no sparks
- Virtually burr-free cuts
- Cuts cool for immediate handling of cut material

Durability

- Heavy duty steel base
- Powerful 15.0 AMP, 1300 RPM motor
- UL/CSA approved
- Built-in carrying handle for portability
- Fully enclosed blade when not engaged in cutting process
- Secure cutting vice with 45° and 90° capability

COMMON APPLICATIONS

Structural/Shape Steel • Studs • Rebar • Steel Framing • Trusses • Joists • Threaded Rod • Conduit • Gutters

TARGET CUSTOMERS

Steel Fabricators/Erectors • Metal Builders • Iron Workers • HVAC • Gutter Installers
General Contractors • Plant Maintenance • Electrical Contractors • Plumbing Contractors

Features:

- CHAIN - The Cut-off saw can be secured in the down position for safer carrying & storage
- STATIONARY ADJUSTABLE VISE - Clamp the workpiece to this vise by turning the handle crank of vise. The stationary vise can be moved or the angle adjusted to accommodate workpieces of many sizes.
- LOWER GUARD - This automatically retracting blade guard helps protect your hands from the blade when in the raised position. To avoid binding on the workpiece, it retracts as the power head is lowered.
- CARRYING HANDLE - this handle is built into the unit to move it from one location to another.
- ADJUSTABLE CHIP DEFLECTOR - Allows view of cutting action while protection from sparks chips etc..
- ON/OFF TRIGGER SWITCH - To turn the saw "ON", depress switch trigger/ To turn saw "OFF", release switch trigger.
- ARBOR LOCK - Allows the user to keep the blade from rotating while adjusting arbor screw during blade replacement or removal.
- DOWNSTOP - In the down (full cut) position, the pivot arm hits an adjustable stop on the pivot.



60 DAY
SATISFACTION
GUARANTEE

\$659

Includes
Blade!

NEW

From The
M.K. Morse
Company

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69

Portable & Bench Top Bevelers



Bevel-Mills



3000

- Pneumatic & Lightweight
- Gear drive
- Fast 3/16" chamfers at 8ft./minute
- Ideal for light beveling & heavy deburring
- Clean up burn-out parts fast
- Mold bases, Die blocks



4000 & 5000

- Double insulated
- Adjustable handle positions for comfortable operation
- Trigger operation with lock
- Specially designed gear drive motors

Portable Beveler

- Bevel any angle between 30° & 60° on Plate or Pipe
- Ideal for weld prep & finish fabrication work
- Fitted with 2 milling heads each holding 6 indexable inserts
- Safety device prevents motor from starting if cutter head is in contact with material
- Ergonomic handle to reduce operator fatigue
- Electronic overload shuts down machine if forced through material
- Adjustable depth of cut
- No coolant required
- Bevels pipe & tube with the included attachment
- Optional: 15° to 45° angle beveling set



BM20

We Stock A Complete Range Of Carbide Inserts!

Bench Bevelers

- Chamfer or deburr any material from plastic to hardened steels
- Ideal for finish chamfers on machined parts
- One pass deburring or chamfering
- Easily adjustable depth of cut
- Cast frame, hardened & ground back plate, ground table



BB27



VA-400

- Deburr & chamfer edges easily
- Adjustable angle
- Adjustable depth of cut
- Simple to operate, no set-up required
- Corner rounding with radius insert

TURBO-BURR



- Easily brought to the worksite
- Pneumatic & lightweight
- For use as both a hand & bench tool
- Puts a safety edge on sheet metal in one pass
- Breaks sharp edges on parts at mill, saw or shear
- 55,000 Rpm. At 60-120psi, 5-11cfm.
- Feed speeds: up to 2"/second



Specifications

	3000	5000	4000	BM20	BB27	VA-400	TURBO-BURR
Min. Workpiece Thickness	1/8" - 3mm.				3/16" - 4.7mm	1/16" - 1.5mm	.015"
Min. Bevel	0						
Max Bevel	3/16"	5/16"	3/4"	3/4"	3/16"		.075"
Bevel Angle	15-45deg.			30-60deg.	45deg.	15-45deg	45deg.
V-Block Length	8"		8-3/4"	8"	12"	19-1/2"	5"
Motor (Hp.)			2		1/2	1	
# of Inserts		5	10	12	Flap Disk	6	1
Voltage	Air			110V			Air
Weight (Lbs.)	14	19	22	42	65	59	3.5
Price	\$2,599	\$2,779	\$3,989	\$2,990	\$2,079	\$3,119	\$799
Lease From/Mth.	\$64.31	\$69.22	\$98.38	\$72.89	\$51.57	\$77.06	--

Material Conveyors



Legs can be accurately adjusted using the levelling screw



Vertical rollers, adjustable vertical rollers, auxiliary tables and covers between rollers

Part#	Description	Price	Lease/mth over 36 mths
H450-2	6.5' Roller Table, 7 Rollers, 3-1/4" rollers, 17.7" wide, 2 legs	\$1,615	\$58.79
H450-3W	10' Roller Table, 7 Rollers, 3-1/4" rollers, 17.7" wide, 3 legs	\$1,855	\$67.40
H450-3K	10' Roller Table, 10 Rollers, 3-1/4" rollers, 17.7" wide, 3 legs	\$2,035	\$73.85
H550-2	6.5' Roller Table, 7 Rollers, 3-1/4" rollers, 21.7" wide, 2 legs	\$1,795	\$65.25
H550-3W	10' Roller Table, 7 Rollers, 3-1/4" rollers, 21.7" wide, 3 legs	\$1,975	\$71.70
H550-3K	10' Roller Table, 10 Rollers, 3-1/4" rollers, 21.7" wide, 3 legs	\$2,275	\$82.46
H650-2	6.5' Roller Table, 7 Rollers, 3-1/4" rollers, 25.6" wide, 2 legs	\$1,975	\$71.05
H650-3W	10' Roller Table, 7 Rollers, 3-1/4" rollers, 25.6" wide, 3 legs	\$2,155	\$78.15
H650-3K	10' Roller Table, 10 Rollers, 3-1/4" rollers, 25.6" wide, 3 legs	\$2,635	\$93.50
VR-H	Vertical Roller	\$155	--
BVR-H450	Moveable Vertical Roller Set (for 17.7" wide tables)	\$359	--
BVR-H550	Moveable Vertical Roller Set (for 21.7" wide tables)	\$383	--
BVR-H650	Moveable Vertical Roller Set (for 15.6" wide tables)	\$407	--

Support Stands



- Made of heavy duty cast iron & steel
- Handles loads of stock up to 2,000Lbs.
- Clamping mechanism on the column allows for quick & easy height adjustment
- Locking screws provide added safety
- The horizontal head is a chrome-plated, 2"x14" ball bearing roller head
- The V-roller head consists of two chrome plated 2"x5" ball bearing roller heads

Part#	Height Range	Weight	Price
70141	23" to 38-1/2"	47Lbs	\$189.99
70181	23" to 38-1/2"	47Lbs	\$189.99
70182	--	15Lbs	\$79.99
70183	--	15Lbs	\$79.99

Lever Hoists



- Versatile coil chain hoist designed for pulling and hoisting in all types of industries
- Unique brake & quick reverse system designed for safety
- 5' Standard lift
- Used in all positions

Part#	Capacity	Price
7299-LH-0075	1,650 Lbs.	\$88.99
7299-LH-0150	3,300 Lbs.	\$139.99
7409-202-9103	6,000 Lbs.	\$179.99

Chain Hoists



- Automatically holds load in suspension
- Drop forged steel hooks
- Strong, safe, jerk-free chains
- Tested standard lift
- 10' Lift

Part#	Capacity	Price
7299-CH-0001	1 Ton	\$59.99
7409-202-9207	4,000 Lbs.	\$89.99
7409-202-9209	6,000 Lbs.	\$139.99
7409-202-9211	10,000 Lbs.	\$169.99

- Easy operation and fast cassette deliveries for loads from 2,000Lbs up to 6,600Lbs per cassette
- Standard design of the UNITOWER offers a storage control with location preselection
- The PLC control allows an inventory management by length, weight or by number of pieces with material ID



UNITOWER



Call Today!

STOPA



- Sheet storage & retrieval system
- Space saving
- Fast
- Cost efficient

Ironworkers

Edwards
Mfg. Co.
Established 1875
Made In U.S.A.



*Cut Flats,
Rounds, Angles,
Channels,
Squares, Notch,
Punch, Brake*



25 Ton



50 Ton



55 Ton



60 Ton



65 Ton

**65Ton Contains Open Power
Cavity 10" wide x 9" tall
Allowing a Total of 5
Tooling Stations!!!**

☐ The parts are all American made and include Baldor motor...Barnes or Prince pump...Fisher cylinder. Edwards does all the rest of the manufacturing of the equipment. The Ironworkers are complete and ready to operate including hydraulic oil and shear blades (*except notcher*).

☐ All machines work on the same principle with the center pulling straight down on the work. All tooling moves in a perfectly vertical way. There is no arc of tool against material to be cut or punched. All stations operate as a unit so you can move from punch to shear to notcher to angle shear without changing or adding any new equipment.

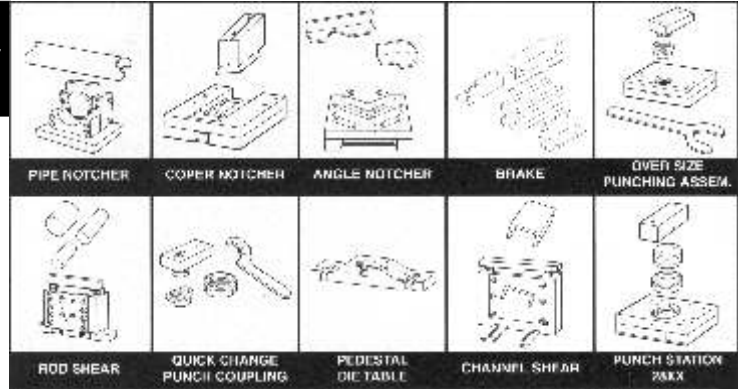
Specifications		25 Ton	50 Ton	55 Ton	60 Ton	65 Ton
Punching	Rated Capacity	25 Ton	50 Ton	55 Ton	60 Ton	65 Ton
	Throat Depth	5"	7"	7"	7-1/2"	10"
	Standard Assy. Max. Capacity	1" diam in 5/16" Plate	1" diam in 5/8" Plate	1-1/16" diam in 5/8" Plate	1" diam in 3/4" Plate	1-1/16" diam in 3/4" Plate
	Optional Oversized Assy. Max. Capacity \$559	N/A	To 1-9/16"			
Flat Bar Shearing	Work height	38-1/2"	37-5/8"	37-1/2"	37-1/2"	36"
	Max. Width		1/2"x10"	1/2"x12" or 3/8"x14"	1/2"x14" or 5/8"x12"	3/8"x24" or 1/2"x14"
	Max. Thickness		3/4"x4"	3/4"x4"	3/4"x4"	1"x4"
	Max. Round Capacity		1"	1-1/8"	1"	1"
	Max. Square Capacity		1"	1-1/8"	1"	1"
Angle Shearing	Work Height		35-1/2"	35-3/8"	35"	33-1/2"
	Max. Size	(optional) 2"x2"x1/4"	4"x4"x1/4"	4"x4"x1/4"	4"x4"x3/8"	5"x5"x1/4"
Coping Notching	Work Height		3"x3"x3/8"	3"x3"x3/8"	3"x3"x1/2"	4"x4"x3/8"
	Max. Capacity	(optional) 2"x4"x1/4"	(optional) 2"x3"x5/16"	2-1/2"x5"x1/4"	2-1/2"x6"x3/8"	
General	Open Height	8"		8-1/8"		
	Shut Height		7"	6-7/8"	6-5/8"	6-3/4"
	Stroke	1"	1-1/8"	1-1/4"		1-3/8"
	Cycle time	2 Seconds				
	Elect. Motor Standard	1Hp.	5Hp.			
	Voltage	208/220V 1Ph.	208/240V 3Ph.			208/240 1or3ph.
	Hydraulic Pump	11 gpm.	3-1/2 gpm.			10-1/2 gpm.
	Valve Pressure	2,200 psi.	3,000 psi			
	Reservoir	3 Gallons	7 Gallons			20 Gallons
	Cylinder (diam.)	4"	2-1/2"			3-1/2"
Weight (Lbs.)	920	1,550	2,350	2,475	4,220	
Measurement (LxWxH)	29x23x55"	28x38x54"	36"x42-1/2"x57"		43x42x55"	
Options	Voltage	110V	208/240V 1Ph. or 575V 3Ph. \$299			N/C
	Stroke Limiter	N/A	\$279			Standard
	Electric Stroke Control	N/A	\$1,299			
	Flat Bar Shearing	1/2"x4" \$339	Standard			
	Angle Shearing	2"x2"x1/4" \$369	Standard			
	Coping/Notching	\$959	\$449	\$959	Standard	
	Pipe Notcher Housing (dies extra)	1/2"-2" sch.40 \$339				
	Angle Notcher	3"x3"x1/4" \$1,029				
	4 Way Brake (1/16", 1/8", 3/16", 1/4")	7" \$719	8" \$809	8" \$809 or 10" \$999		
	Rod Shear (1/4", 3/8", 1/2", 5/8", 3/4", 1")	\$589	\$1,299			
Quick Change Punch Coupling	For Standard Punches \$599 For Optional Oversized Punches \$889					
25 Ton Housing Used for Angle, Flat Bar & Rod Shear	\$699	--				
Channel Shear	special quote based on size					
Punch Station 28XX	up to 4" diameter \$1,099					
Price	\$4,990	\$7,649	\$8,369	\$9,559	\$14,899	
Lease From/Mth.	\$122.92	\$184.18	\$201.46	\$230.76	\$351.36	



Made In U.S.A.



Edwards
Ironworker
Options:



120 Ton

0% Down, No
Payments For Three
Months Available!

100 Ton



11-3/4" Wide Open
Cavity, 5 Tooling
Stations!!!



100 Ton Deluxe



5 Tooling
Stations!!!

Specifications	75 Ton	100 Ton	100 Ton Deluxe	120 Ton
Punching				
Rated Capacity	75 Ton	100 Ton	100 Ton	120 Ton
Throat Depth	10"	10"	10"	11"
Standard Assy. Max. Capacity	1-1/16" diam in 7/8" Plate	1-1/16" diam in 1" Plate	1-1/16" diam in 1" Plate	1-1/2" diam in 1" Plate
Optional Oversized Assy. Max. Capacity \$559	To 1-9/16" diam			
Work height	41-1/2"	41-1/2"	36"	36-5/8"
Flat Bar Shearing				
Max. Width	1/2"x14"	3/4"x14"	1/2"x16" or 3/4"x12"	1/2"x24"
Max. Thickness	3/4"x10"	1"x10"	1"x7"	1"x12"
Max. Round Capacity	1"	1-1/4"	1"	1-1/4"
Max. Square Capacity	1"	1-1/4"	1"	1-1/4"
Work Height	41-1/2"	41-1/2"	34"	33-3/4"
Angle Shearing				
Max. Size	5"x5"x3/8"	6"x6"x1/2"	5"x5"x1/2"	6"x6"x1/2"
Work Height	49"	49"	40"	41"
Coping Notching				
Max. Capacity	(optional) 2.5"x5"x1/2"	(optional) 2.5"x6"x1/2"	3"x5"x1/2"	3"x6"x1/2"
Work Height	43-1/2"	46"	36"	40"
Open Height	8-3/4"	8-5/8"	8-1/2"	8-5/8"
Shut Height	6-7/8"	6-3/4"	7"	7"
Stroke	1-5/8"	1-7/8"	1-3/8"	2-1/2"
Cycle time	2 Seconds			2.5 Seconds
General				
Elect. Motor Standard	5Hp.		10Hp.	
Voltage	208/240V 3Ph.			
Hydraulic Pump	10-1/2 gpm.		30 gpm.	
Valve Pressure	3,000 psi.		4,500 psi.	
Reservoir	20 Gallons		28 Gallons	
Cylinder (diam.)	3-1/2"		2-1/2"	
Weight (Lbs.)	3,300	3,650	4,850	5,450
Measurement (LxWxH)	38x44x60"	42.75x43x62"	43x44x62"	60x60x84"
Options				
Voltage	208/240V 1Ph. or 575V 3Ph. \$299			N/A
Stroke Limiter	\$279			N/A
Electronic Stroke Control	\$1,459			Standard
Coping/Notching	\$539	\$1,249	Standard	
Pipe Notcher Housing (dies extra)	1/2"-2" sch.40 \$339			
Angle Notcher	3"x3"x1/4" \$1,029			
4 Way Brake (1/16", 1/8", 3/16", 1/4")	12" \$1,199		10" \$999	
Rod Shear (1/4", 3/8", 1/2", 5/8", 3/4", 1")	\$1,299		Standard	\$1,299
Quick Change Punch Coupling	For Standard Punches \$599 For Optional Oversized Punches \$889			
Channel Shear	special quote based on size			
Punch Station 28XX	up to 4" diameter \$1,099			
Price	\$13,659	\$16,799	\$20,699	\$23,299
Lease From/Mth.	\$321.57	\$391.95	\$466.67	\$527.69

We Handle A Complete
Range Of Punches & Dies!



75 Ton



Lease Application Form



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 800-595-1477
 Fax: (204) 783-5920
 800-595-3922
 www.accurateleasing.com

Business Application

COMPANY

Full Legal Name		
Operating Name		
Street Address		Website:
City	Province	Postal Code
Phone No. ()	Fax number	Person to Contact
Please Complete the Personal Application if this business is a Partnership or Proprietorship Email:		
Legal Structure <input checked="" type="checkbox"/> : Incorporated <input type="checkbox"/> Partnership <input type="checkbox"/> Proprietorship <input type="checkbox"/>		Company Annual Sales \$
Type of Business	Current Owner Years in Business	No. of Employees

FINANCIAL

Bank	Address	How Long?
Phone Number ()	Contact Person	Account No.s
Other/ Previous Bank	Address	How Long?
Phone Number ()	Contact Person	Account No.s
Landlord or Mortgage Holder	Phone Number	

REFERENCES

Credit References: Name and Address	Phone No.	Fax No.	Contact Person
1.			
2.			
3.			

LEASE DETAILS

Supplier Name	Spence Distributors Ltd.	Contact Person
Phone Number (204)	633-6603	Fax Number (204) 694-6058
Equipment		
Cost \$	Term	Payment Amount \$

Authorization and Consent of Personal Information

By signing this Application, I/We the applicant, principal and/or guarantor confirm the information given in this application is true/complete and you authorize us to rely on and use this information in order to confirm your identity and evaluate your credit worthiness, in relation to the financing contract being entered into. You also agree that we, our affiliates and any third parties acting for us or on our behalf (hereinafter collectively "us", "we" or "our"), may obtain a credit report or other credit information from any credit reporting agency, credit bureau or credit grantor, and may hold, use, exchange and disclose such information for the purposes identified above.

If your application is approved, you authorize us to collect, hold, use, exchange and disclose your personal information, as required, in order to administer your contract, determine your insurance eligibility, and secure the assets being financed, or as required or permitted by law. You also authorize us to use your personal information for internal statistical analysis purposes and for contacting you regarding future leasing offers.

A file containing some or all of you personal information will be kept in our offices. You have a general right to access and rectify the personal information in this file by making a written request to our Privacy Officer.

Signature of Applicant(s) _____ Date _____

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- ◆ Notchers
- ◆ Bevellers
- ◆ De-burring

Hours Of Operation
 Monday-Friday
 7:30am-5:30pm
 Weekends By
 Appointment



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