

The One Stop Shop for all of your Machinery, Equipment, Tool & Die Needs

OUR NEWLY FEATURED MACHINES INCLUDE:



Jones & Shipman Model 1300 Cylindrical Grinder 10"x27" Hydraulic Feed

- Swing Over Bed: 10" • Distance Between Centers: 27"
- Max. Work Piece Weight Between Centers: 220 Lbs. • Table Swivel (Forward & Backward): 16- 16 Degrees • Table Speeds: 3-144 IPM
- Wheelhead Feeds: 0.0001"- 0.0006" • Wheelhead Swivel: 180 Degrees • Grinding Wheel Speed (2): 2,100- 2,550 RPM
- Workhead Speeds (6): 40- 320 RPM • Grinding Wheel Size: 12" x 1" x 5" • S/N: 55524-1629-3 • Dimensions (L x W x H): 108" x 54" x 76"
- Weight: 5,000 Lbs.



Hardinge HLV-H Super Precision Toolroom Lathe DRO – Yr 1987

- 220V / 3PH / 60HZ • Serial No. S/N 12661-T • Year 1987
- Spindle construction: Hardinge ball bearing • Spindle capacities, Round 5C collets: 1-1/16" • Step chucks: 1-1/16" to 6" • Jaw chucks: 5"
- Expanding collets: 3" • Variable spindle speeds: 125 - 3,000 RPM • Hole through spindle: 1-1/4" • Swing over bed: 11"
- Swing over cross slide: 6" • Distance between centers: 18" • Compound slide travel: 3" • Carriage power feed range: 5/16 - 7 IPM • Cross slide power feed range: 3/16 - 4 IPM • Tailstock spindle diameter: 1-3/8" • Tailstock spindle taper: #2MT • Range of threads in gear box(27):11 - 108 TPI
- Estimated weight: 1,700 lbs. • Dimensions: 70" L-R x 36" (F-B) x 58" High



Hardinge Super Precision Toolroom Lathe HLV-H – INCH/METRIC Threading New 1980

- Serial #HLV-H-8774-T • 440 Volts / 60 Hertz / 3 Phase • 1 HP, Spindle Construction: Hardinge Ball Bearing
- Spindle Nose: Hardinge Taper • Spindle Capacity: Round Type collets: 1-1/16" • Variable Spindle Speeds: 125-3,000 RPM • Hole Through Spindle: 1-1/4" • Swing Over Bed: 11"
- Swing Over Carriage: 9" • Swing Over Cross slide: 6" • Distance Between Centers: 18" • Compound Slide Travel: 3" • Carriage Power Feed Range: 5/16-7 IPM
- Cross Slide Power Feed Range: 3/16-4 IPM • Tailstock Spindle Diameter: 1-3/8" • Tailstock Spindle Taper: #2 MT • Inch Threading Range in Gearbox (36) 11-108 TPI
- Metric Threading Range in Gearbox (36) 0.275-2.7 MM • Approximate Weight: 1,700 lbs.



Roland LPX-600DS 3D Laser Scanner / CPU and Software

- 110 volt / 1ph / 60 hz • Scans objects up to 10" in diameter and 16" high • Converts objects in 3D data at highly-accurate .0079" (.2mm pitch)
- Able to scan a wide variety of objects with Rolands revolutionary Dual • Mode (Rotary and Planar) Scanning Technology
- The combination of precision optics and motion control with a rigid cast aluminum frame produce high quality scans
- Easy connection with USB • Attractive • compact design for office environment
- Complete workflow from input to output is available with the combination of Roland • SRP milling devices and 3d printers.



V & O 25 Ton OBI Flywheel Single Crank Power Press, Air Clutch, Model Super 25ST-160 Speeds 90-300 SPM

- 230-460 V/3PH/60HZ • 3 HP AJUSTO-SPEEDDC MOTOR RPM 1750 / 100 • Speed: 90 - 300 SPM • Capacity: 25 tons • Stroke: 1-1/2"
- Ram adjustment: 2-1/2" • Bed size: 24" x 12"
- Shut height: 9-1/2"
- Inch/Single Stroke Controls
- Year of mfg.: 1967
- Overall dimensions: 53" x 63" x 80" high
- Estimated weight: 5,400 lbs



Perkins 22 Ton HIGH SPEED Gap Frame Flywheel Power Press, Model 22

- 230V/3PH/60HZ • S/N: 30145 • Year of mfg.: 1961
- Capacity: 22 tons • Inch or Continuous Run
- Single or Continuous Stroke, Stroke: 1"
- Motor: 3 HP
- Shut height: 8-1/8"
- Speed: 200 - 800 SPM
- Bed size: 12" x 28"
- Overall dimensions: 52" x 48" x 95" high
- Estimated weight: 5000 lbs.

The first thing to wear out on a CNC Machining Center is often the drawbar!

Belleville springs provide the only force that holds tools in the spindle while cutting, and they are often the first to wear out on a CNC Machining Center.

Drawbars can have over 140 Belleville springs in the stack. Just the slightest wear, or one broken spring will have a huge effect on clamping force, causing chatter, bad finishes, reduced cutter life, and scrapped parts.



A typical drawbar assembly.

Left unchecked, a tool may eventually pull out during a cut damaging the spindle, cutter, arbor, and fixture.

Machines are never the same after a crash.

Problems with repeatability, bad finishes, and short cutter life can be frustrating and difficult to diagnose. Up in the spindle and out of sight, drawbars seldom get the attention they deserve. To check it requires a special tool designed just for that purpose. Previously these tools cost many thousands of dollars, but now you can check your spindle for a fraction of that cost.

The Clamprite Gage simulates a tool in the spindle, and checks the drawbar in less than a minute. It has no batteries, clumsy cables, or delicate electronics. The pressure gauge reads directly in pounds/force, so there are no conversions or calculations to perform.

Thousands of shops in the U.S. and around the world use the Clamprite Gage. Customers often say it paid for itself the first time they used it.

Find out if your drawbar can still Clamprite!



Patent #6813965 and other patents apply.

HSK Spindle Adapters

CHSK E25	Size E-25 Adapter	\$ 399.00
CHSK E32	Size E-32 Adapter	\$ 419.00
CHSK A40	Size A-40 Adapter	\$ 439.00
CHSK A50	Size A-50 Adapter	\$ 469.00
CHSK A63	Size A-63 Adapter	\$ 489.00
CHSK A80	Size A-80 Adapter	\$ 679.00
CHSK A100	Size A-100 Adapter	\$ 849.00
CHSK A125	Size A-125 Adapter	\$ 989.00

HSK must maintain factory drawbar force to properly seat the arbor. Test HSK spindles more frequently!

CG5K Gage Head for HSK-E25 to A63 and others	\$ 679.00
CG10K Gage Head for HSK-A80 to A100 and others	\$ 719.00
CG15K Gage Head for HSK-A125 and others	\$ 989.00



CAT, BT, ISO 20



CAPTO 3



CG10K HEAD

CAPTO 6



HSK A100



M 6045



KM 63

Clamprite Spindle Adapters

CA 201	ISO 20 Spindle Adapter	\$ 149.00
CA 30B	BT 30 Spindle Adapter	\$ 139.00
CA 35B	BT 35 Spindle Adapter	\$ 142.00
CA 40C	CAT 40 Spindle Adapter	\$ 149.00
CA 40B	BT 40 Spindle Adapter	\$ 149.00
CA 45C	CAT 45 Spindle Adapter	\$ 159.00
CA 45B	BT 45 Spindle Adapter	\$ 159.00
CA 50C	CAT 50 Spindle Adapter	\$ 169.00
CA 50B	BT 50 Spindle Adapter	\$ 169.00
CA 60C	CAT 60 Spindle Adapter	\$ 539.00

CAPTO 03	\$ 435.00
CAPTO 04	\$ 459.00
CAPTO 05	\$ 489.00
CAPTO 06	\$ 595.00
CAPTO 08	\$ 789.00
KV 4540	\$ 639.00
KV 6045	\$ 719.00
NC5-63	\$ 629.00
KM 63	\$ 829.00
Monarch M6045	\$ 549.00

CALL FOR OTHERS



STANDARD LONG TAPERS

CLAMPRITE® Spindle Drawbar Force Gage

Protect Your Spindles

Avoid Unscheduled Downtime

Increase Cutter Life

Accuracy is
Traceable to
NIST

Patent #6633507

Uses any pull stud without alterations!

Clamprite Gage Kits provide an easy, accurate, and economical method of checking the drawbar force of your machine. Kits are furnished in a foam fitted metal tool box, and includes the gage head, a spindle adapter, and an internal transfer screw coupling that accepts all pull studs. Use your pull stud, or purchase pull studs separately from Clamprite or your local distributor.

The universal gage head adapts to every size and type of spindle, including CAT, BT, ISO, HSK, and others. Select your kit by spindle type and max. drawbar force you will be testing. Order additional adapters below.

Clamprite Gage Kits

CG3K 30B	3,000 Lb.	includes BT 30 taper adapter	\$ 819.00
CG3K 40C	3,000 Lb.	includes CAT 40 taper adapter	\$ 829.00
CG3K 40B	3,000 Lb.	includes BT 40 taper adapter	\$ 829.00
CG5K 40C	5,000 Lb.	includes CAT 40 taper adapter	\$ 829.00
CG5K 40B	5,000 Lb.	includes BT 40 taper adapter	\$ 829.00
CG5K 50C	5,000 Lb.	includes CAT 50 taper adapter	\$ 849.00
CG5K 50B	5,000 Lb.	includes BT 50 taper adapter	\$ 849.00
CG5K 40/50	5,000 Lb.	incl CAT or BT 40 & 50 adapters	\$ 989.00
CG10K 50C	10,000 Lb.	includes CAT 50 taper adapter	\$ 885.00
CG10K 50B	10,000 Lb.	includes BT 50 taper adapter	\$ 885.00

Call Clamprite for all your Drawbar Testing Needs

38 Cygnet Drive, Carson City, Nevada Phone: 775-246-5100 Toll Free: 866-THE GAGE