

Clay's Industrial Supply Ltd.

MACHINE SHOP SERVICES



Mission Statement

Our Goal is to be your first choice and trusted supplier for all your service rig requirements. We are service rig specialists and provide our customers with the best products and service on time, every time with honesty and integrity.

OKUMA SPACE TURN LB4000 EX



Machine Specifications:

Horizontal, slant bed, live tool, CNC turning center.

Max turn diameter is 16.75 inches.

Max turn length is 48.0 inches.

Chuck is 15.0 inches in diameter.

Through spindle diameter is 3.58 inches.

Max work piece weight (one-side support) 700lbs

Max work piece weight (between centers) 1300lbs

Spindle speed range 42-4200 rpm (infinitely variable)

Driven tool speed range 45-6000 rpm (infinitely variable)

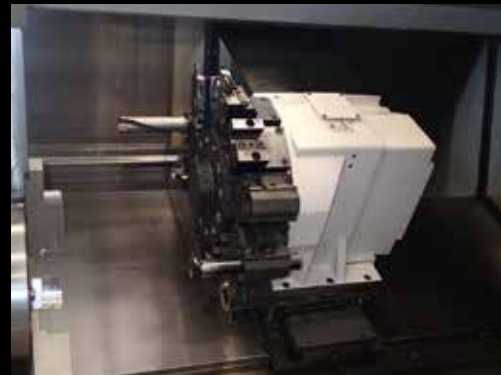
Number of controlled axis 3 (X,Z,C)

C-Axis controlled angle is 360 degrees in 0.001 degree increments.

Programmable tailstock.

Turret has 12 tools. All positions are driven tool compatible.

The controller is equipped with IGF conversational, and G-code direct capabilities.



JOHNFORD DMC-1600H



Machine specifications:

Double column, vertical mill.

Table size is 66.9 inches by 43.3 inches.

X axis travel is 63.0 inches.

Y axis travel is 51.0 inches.

Z axis travel is 31.0 inches.

Machine is equipped with a 4th-axis and footstock.

4th-axis center height is 8.5 inches.

4th-axis through bore is 4.0 inches.

4th-axis chuck diameter is 12.0 inches.

CAT-50 spindle taper

Through-coolant spindle.

Maximum spindle speed is 6000rpm with Hi-Low gear.

24 pocket arm type, automatic tool changer.

13,200 lbs table load capacity.

The controller is Fanuc Series oi-model D.



PRO-KING MEGA BORE



Machine specification:

Horizontal conventional manual lathe.

Max swing diameter is 70 inches.

Max swing over carriage is 58 inches.

Bed length: 4 meters.

X axis travel 26 inches.

Z axis travel 120 inches.

Headstock through bore 21 inches.

Double 46 inch diameter chucks.

Steady rest diameter range from
6 inches to 25 inches.

Variable rpm turning abilities.

Spindle speed range 15-350 rpm.



HYUNDAI WIA L7000LMA



Machine specifications:

Horizontal, slant bed, live tool, CNC turning center.

Swing over the bed is 41 inches.

Max turn length is 120.0 inches.**

Max turn diameter is 36.0 inches.

Chuck is 24 inches in diameter.

Through spindle diameter is 6.5 inches.

Max work piece weight one-side support, 750 pounds.

Max work piece weight between centers is, 4000 pounds

Programmable tailstock.

Programmable steady rest

A maximum clamping diameter of 13.75 inches.

A minimum clamping diameter of 3.3125 inches.

Spindle speed range 40-1500 rpm (infinitely variable)

Driven tool speed range 45-3000 rpm (infinitely variable)

Number of controlled axis 3 (X,Z,C)

C-Axis controlled angle is 360 degrees in 0.001 degree increments.

Turret has 12 tools. All positions are driven tool compatible.

The controller is Fanuc Series 32i-Model A.



HAAS TM-3



Machine specifications:

CNC vertical mill.

X axis travel is 40.0 Inches.

Y axis travel is 20.0 Inches.

Z axis travel is 16.0 Inches.

Maximum rpm is 6000.

12 tool turret capacity.

Maximum weight on table (evenly distributed) 1000 pounds.

CAT40 spindle.

Maximum cutting feed rate 200 inches per minute.

HYD-MECH H-18A



Machine specifications:

Fully automatic / Programmable

CAPACITY:

Rectangular 18"x18"

Round 18"

FEATURES:

10 HP motor

1 1/2" blade

34" shuttle stroke

Split front vise

Carbide guides

Blade brush

Hydraulic blade tensioning

PLC Control

Blade speed 50-350 SFM

Shuttle stroke 0-34"



HAAS TL-3W



Machine specifications:

Flat bed, hybrid, semi-conversational CNC Lathe.

Max swing diameter is 30 inches.

Max turn diameter over cross slide is 18 inches.

Max turn length is 48 inches.

Chuck is 15 inches in diameter.

Through spindle diameter is 3.5 Inches.

Spindle speed range 40-1500 rpm (infinitely variable)

Steady rest diameter range from 0.5 inches to 9.0 Inches.

Number of controlled axis 2 (X,Z)

Single position tool post.

The controller is semi-conversational.

HAAS ST-30



Machine specifications:

Slant bed, horizontal CNC lathe.

Max swing diameter is 31.75 inches.

Max turn diameter is 21 inches.

Max turn length is 26 inches.

Chuck is 15 inches in diameter.

Through spindle diameter is 3.58 inches.

Max work piece weight (one-side support) 500lbs

Max work piece weight (between centers) 900lbs

Spindle speed range 40-3400 rpm (infinitely variable)

Number of controlled axis 2 (X,Z)

Programmable tailstock.

Turret has 12 tools.

The controller is equipped with G-code direct capabilities.

POREBA



Machine specifications:

Horizontal conventional manual lathe.

Maximum swing is 36.0 Inches.

Maximum turn diameter is 27.0 Inches.

Machine is equipped with twin 24 inch 4-jaw chucks.

Machine through bore is 7 ¼Inches.

Bed length is 4 meter.

Maximum turn length is 10.0 feet.

Can hold from 5.0 inches up to 20.0 inches in the steady rests.

Can center up to 15.875 Inches.

SCHENCK BALANCER



Machine specifications:

ROTOR MASS LIMITATIONS

Max weight (6,500 Lbs)

Max sensitivity per plane:

3.75 gram-inch above (100rpm)

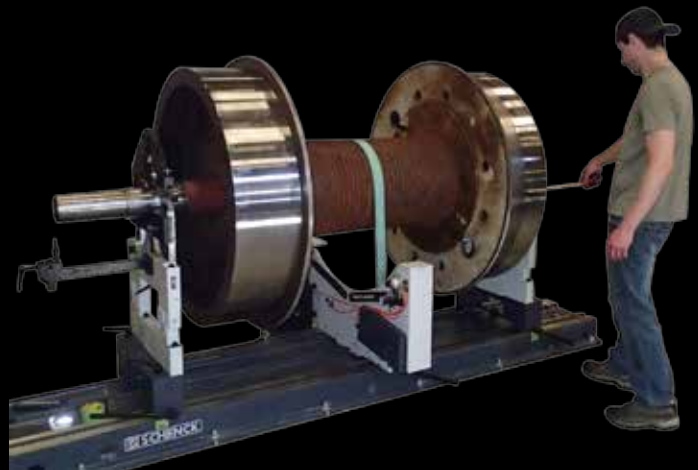
0.75 gram-inch above (400rpm)

0.15 gram-inch above (900rpm)

0.03 gram-inch above (1,800rpm)

Instrumentation speed range
(100 to 5,000 rpm)

Unbalance reduction ratio: Up to 95%



ROTOR DIMENSIONS

Max diameter over machine bed: 63 Inches

Rotor belt-drive diameter range: 1.2 to 24 Inches

Max distance between support bearing centerlines: 109 Inches

Minimum distance between support bearing centerlines with: belt-drive inboard (5.5) inches. Belt-drive outboard (2.75) inches

Journal diameters accommodated: 0.6 to 4.75 inch, 4.75 to 9.5 inch

DRIVESHAFT MANUFACTURING & BALANCING EQUIPMENT

Couplers for all series Of driveline



Large inventory of
1710, 1810 and SPL 250



MITTS AND MERRILL KEY CUTTER



Machine specifications:

Hydraulic Keyseater.

Maximum keyway width is 2.0 Inches.

Maximum keyway length is 24.0 Inches.

Maximum cutting speed is 49 feet per minute.

Crosshead Pull at 1000psi is 8300 lbs.

Feed rate per stroke 0.001/0.010

Tolerance (Depth Repeatability) To.001

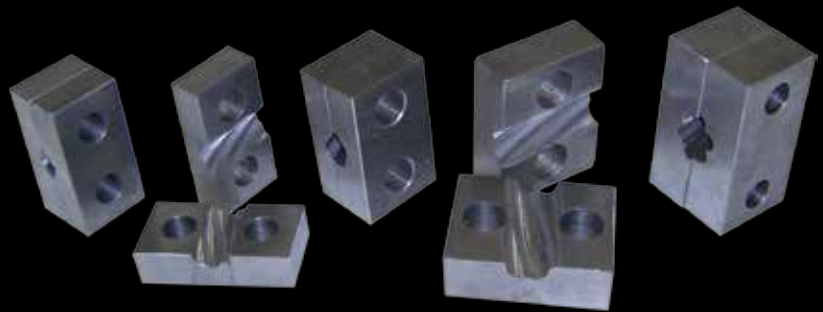
Maximum work piece weight is 10000lbs.

Maximum work piece diameter is 30.0 Inches.





**Main Drum
Drawworks Barrel**



Drill Line Clamps



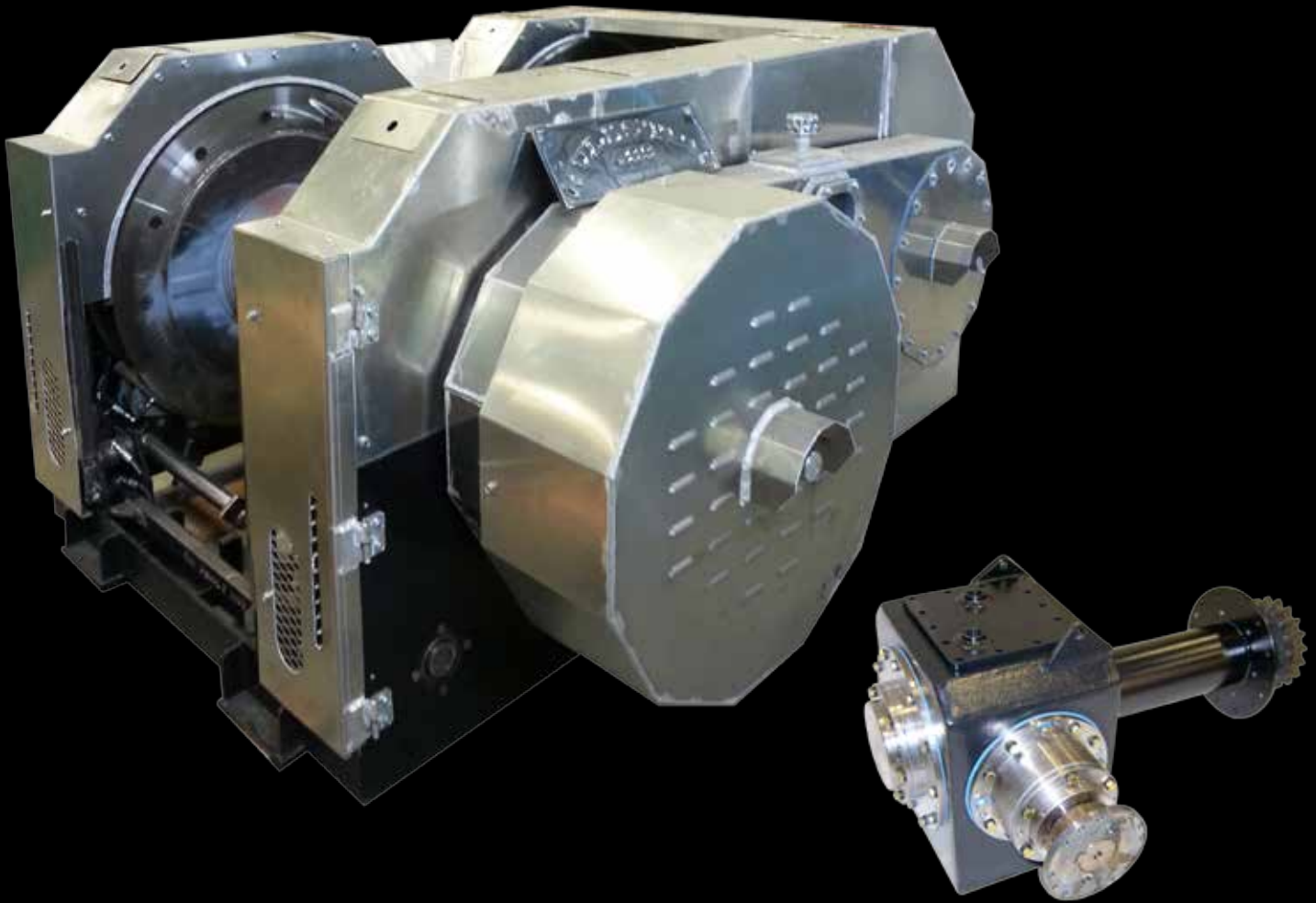
**Custom Traveling
Block Components**



**Main Drum
Drawworks Shaft**

Various Drawworks Parts





- **Hulkster Drawworks (400D | 400DD | 650DD)**
- **Hulkster Right Angle Gear Box (R.A.G.B 400-650)**
- **Steering Assemblies**
- **Driveline**

Manufacturing the Hulkster Drawworks, Hulkster R.A.G.B., Steer assemblies, and Drivelines, has become a great addition to our business. Our products have been proven to exceed industry standards in line with our customer expectations. If you are looking for a Drawworks, or have a steering problem, we can help, these are our specialties.

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