



Precision Machining since 1967

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Equipment list

Overview of current machining technologies

FX20K WIRE EDM - The specifications for this machine include Machine Travel: 19.69x13.77". Maximum Workpiece weight: 1,764 lbs. This machine has an Anti Electrolysis Power Supply.

EX-22 CNC RAM EDM - The specifications for this machine include Standard Work Tank Dimensions: 37.40x25.59x15.74. Workpiece Weight: 2,200 lbs. Table Dimensions: 29.52x21.65. Max. Average Machining Current: 80/120 amps. This machine features artificial intelligence.

FX20K Mitsubishi Wire Cut EDM 5-Axis fully programmable with extended U-V axis travel (19.69 x 13.77 x 11.81") Max workpiece weight 1,764 lbs

5-Axis Mitsubishi CNC Wire Cut EDM 5-Axis With Memory Computer
(10" x 10" x 5.8" High)

5-Axis Mitsubishi CNC Wire Cut EDM 5-Axis With Memory Computer
(10" x 12" x 5.8" High)

Hitachi CNC Wire Cut EDM 5-Axis Fully Programmable (18" x 12" x 12" High)

Excello Plunge Type EDM 10-1 With Digital Readout

CDH-2A Astech High Speed EDM Drill (.016" - .118" Diameter)

Mitsubishi EX-22 CNC RAM EDM - Standard Work Tank Dimensions:
37.40 x 25.59 x 15.74"

ASTEC CDH-2A provides fast and accurate machined holes in any material that conducts electricity (aluminum, carbide, steel, stainless steel, ceramics, ferrotic, copper and brass. It is ideal for making "start holes" for wire EDM, vent holes and production holes in hardened materials where conventional drills are inadequate.

It can also be used for a tap remover. The Astec is capable of burning hole sizes from .010" to .118" diameter and burns a maximum length of eight inches.

(1) Mitsubishi FA20 Wire Cut EDM 5 axis fully programmable 1764lbs.
maximum workload (18" x 12" x 12" High)

Roku-Roku High Speed Mill. This multi purpose machine is capable of machining precision graphite electrodes, mold cavities, punches, dies, and other intricate tooling, in record time.

Mazak Integrex 30 CNC Turning and Milling Center
(18" x 42" x 20" Swing)

2-Axis CNC Bridgeport 12" x 30" Vertical Mill Series 1 EZ-Trak DX

Bridgeport 12" x 30" Vertical Mill

Willis Microcut 1550 Geared Head Engine Lathe

Small Enco Lathe

10" Roll-in Saw

2-Axis CNC Cincinnati Milacron Avenger 250T Turning Center
With Acramatic 850SX TC Control (10" x 20" x 23" swing)

2-Axis CNC Mori Seiki SL3B Lathe Center With Fanuc Control (16" x 22" x
20" swing)

(1) 4-Axis CNC Fadal Vertical Machining Center With Fadal Control (20" x 40")

(1) Willis Microcut 1050 Milling Machine

(1) Cincinnati Contour Master Vertical Mill

(1) Willis 1050 II Vertical Milling Machine (10"X50")

The Lap Master is a machine that laps and polishes parts with a diamond slurry medium. The machine is capable of a mirror finish and laps parts flat within .0001 of an inch. Call for specific details of your requirements.

Studer S145 CNC Grinding Machine Quad Spindle- This Multi spindle CNC Internal Grinder is kept constantly busy producing fully finished intricate parts in a single set-up.

Centerless Grinder

- (1) Bridgeport Surface Grinder with Centerless Attachment
- (1) Unison Model 2100C 3-Axis CNC Flexible Grinding System

OD Grinders

- (3) Parker Majestic 10" x 12" Universal OD Grinder
- (1) Rivett 6" x 12" Universal OD Grinder
- (1) Cincinnati 12" x 36" OD Universal Grinder
- (1) Parker Majestic OD Cut off

ID Grinders

- (1) Parker Majestic 12" x 10" Automatic Internal Grinder
- (6) Parker Majestic 10" x 12" Universal ID Grinder
- (1) Bryant 23" x 16" Universal ID Grinder

OD/ID Grinders

- (1) Studer S33 CNC Internal Grinding Machine With (2) Spindle Turret.
- (1) Studer 14" x 30" Universal OD - ID Grinder
- (3) Parker Majestic 12" x 16" Power Feed OD - ID Grinder

Hone Grinders

- (1) Sunnen Model .060-3.750 Diameter 1800 Stroke Hone

(1) Sunnen Model .060-3.750 Diameter BV 1803 Hone

Surface Grinders

(2) Parker Majestic 6" x 18" Z Model Surface Grinder

(3) Parker Majestic 6" x 18" Surface Grinder

(1) Boyer Schultz 8" x 18" 3-A Automatic Surface Grinder

(1) KBC LF618 Surface Grinder

(1) Chevalier 8" x 18" Surface Grinder

(1) Chevalier 6" x 18" Surface Grinder

(1) Willis 10" x 20" Automatic Surface Grinder

Rotary Surface Grinders

(2) Heald 24" x 10" Rotary Surface Grinder

(2) Arter 24" x 7" Rotary Surface Grinder

(1) Blanchard 36" x 18" Rotary Surface Grinder

Brown and Sharpe DCC Gage 454 CMM ultra precision measuring device has a workable area of (18" x 20" x 16") and comes complete with PC-DMIS CAD Software.

(1) MicroVu QuBIX Ultra Precision Video Measuring System(6" x8" 8")

(1) PMC Contour Reader Accurate to .002"

(1) 30" Jones and Lamson Optical Comparitor with Digital Readout

(1) Fowler/Bowers Super Bore Gage

(3) Fowler/Bowers Electronic Hole Micrometers

(12) Sets of Gage Blocks

(3) 14" Optical Comparators - To Check Profile and Surface Illumination

(2) 10" Optical Comparators - To Check Profile and Surface Illumination

(1) Kodak Comparator

(2) Sunnen PG-800 Bore Gages - Ranging .495"e; - 2.00" Diameter
Various Dial Bore Gages to Check Diameters .280" - 6.00" Diameter
Micrometers to Check to 20.00"

(1) Mitutoyo DP-3 Digimatic Mini Processor for Statistical Process Control

(1) Mitutoyo DP-1 Digimatic Mini Processor for Statistical Process Control

(1) Service Physical Diamond Hardness Tester

CRYOGENIC CHAMBERS-our 2 computer controlled chambers are both capable of 77°K deep cryogenic treatment to enhance tool life.

- 26" Long x 16" Deep x 15-1/2" Wide
- 17" O.D. x 30" Deep

(1) Model 430 Cryogenic Chamber with Computer Control
15-1/2" Wide

(1) Model CP-100 Cryogenic Chamber with Computer Control 17" OD x 30"
Deep

Finishing Equipment

Extrude Hone Vector 200

Extrude Hone Vector 200 - The specifications for this machine include artificial intelligence.

(7) Dumore Hand Grinders

(3) Dremel Hand Grinders

(2) Air Hand Grinders

(1) Foredom Flexible Grinder With Foot Pedal

(2) Argofile - Profiler And Finishing System

(1) Lapmaster Model 24 Precision Diamond Processing Machine

(3) Hardinge 2nd Operation Lathes

(1) San Yuen Engine Lathe

(1) Goodway Engine Lathe

Miscellaneous Equipment

(4) Air Compressors

(1) Last Word Radius Dresser

(1) Vinco Radius Dresser

(1) Index-Dine Whirly Jig

(1) 10" Sine Bar

(2) Motorized Bench Center

(2) 5" Sine Plate

(1) 10" Sine Plate

(1) 250 Ton Louis Small Hydraulic Press - To Assemble Dies Requiring Interference Fits

(1) 400 Ton Lious Small Press

(1) Arc Welder

(1) Brazing Torch For Silver Soldering

(1) Pak Master 100 XL Plus Plasma Cutter

(1) Miller Mig Welder

(1) Miller Syncrowave 250 Tug Welder

Shipping Equipment

(2) Electrto Acid Etching Equipment

(1) Seal Peel Pot

(1) Eclipse Demagnetiser

Heat Treat Equipment

(1) Model 8012-C Lucifer Heat Treat Oven

(1) Model HL7-P24 Lucifer Heat Treat Oven