

CAPABILITIES



GRINDING:

- Centerless Grinding (Plunge and Thru feed)
- Surface Grinding
- I.D. (Inside Diameter) Grinding
- O.D. (Outside Diameter) Grinding
- Cylindrical Grinding
- Precision grinding of bar stock to custom O.D. sizes and close tolerances.
- Mirror Grinding Finish

EDM SERVICES:

- 5-Axis Wire EDM
- Conventional Sinker EDM with C-Axis
- Small Hole EDM Drill
- Prototype to Production

CNC MILLING / TURNING:

Our high-tech, highly-advanced Mori Seiki and Monarch Vertical Milling Centers have the versatility and flexibility to machine any precision component, from prototypes to larger production runs. We operate precision vertical machining centers, engine lathes, and turret lathes which perform milling, turning, centerless grinding, boring, tapping, recessing, internal/external threading, and broaching.

- **OIL & GAS**
- **MEDICAL**
- **AUTOMOTIVE**
- **ELECTRONIC**
- **AEROSPACE**

**WE'RE USED TO GRINDING
WITH THE CLOSEST
TOLERANCES POSSIBLE!**

20-50 MILLIONTHS

Our close-tolerance grinding experience can save you time and effort in production design, set-up and even material selection. Our machinists are highly skilled in their craftsmanship of grinding to extremely precision tolerances. For example, we are accustomed of holding tolerances to a concentricity of .000020". Our people are experts in this field.



INDUSTRIES SERVED

We
specialize in
LARGE
parts!

**MILLING &
TURNING**

Our largest milling
center has a capacity of
64" X by 32" Y by 30" Z

VTL has a 36" dia. chuck

Boring mill
64" X by 48" Y by 48" Z

**2 TON CRANES
LOCATED
THROUGHOUT
BUILDING**



**imperial
newbould inc.**

EQUIPMENT LIST

- 2- Harig Super 612 & Heidenhain
- 1- Harig 6 x 12 Surface Grinder
- 1- Harig 6 x 18 Surface Grinder Super 618
- 1- Brown & Shape Micromaster Surface Grinder Model 10
- 1- Proth Automatic Grinder 12-24
- 1- Speedy Cut Model ST 1 V 2/3
- 2- Bridgeport Series I 2HP
- 2- Harig 618 HF w/AcuRite Qwikcount
- 1- Sharp Auto Mill with Mill Power
- 1- Roni 16-8 Engine Lathe
- 1- Mori-Seiki CNC Lathe SL2
- 1- Moore #3 Jig Grinder
- 1- Moore #3 Jig Borer
- 1- Okamoto ACC820
- 1- Brown & Sharpe Surface Grinder 612
- 1- Sharp Knee Mill
- 1- 7 x 12 Portable Metal Cutting Saw
- 2- Parker Majestic No. 2 Surface Grinder
- 1- Sugino Maching Center
- 1- ROI Ram Optical Measuring Table
- 2- Miyano BNC 42 CNC Lathe with Bar Feeder
- 1- Monarch Vertical Machining Center VM45 50 Taper
- 1- Charmilles 4030 SI Machines (X=17.5", Y=12.5", Z=8.5") (.004 to .010 wire capabilities/ Taper Expert Package
- 1- Eltee Pulsitron RAM EDM
- 2- Mitsui Surface Grinder
- 1- Harig 612 Surface Grinder
- 1- Mitutoyo PH350 Optical Comparitor with Micropak 2 DR0 (10x & 50x lenses)
- 1- Nikon V-12 Profile Projector with MC-102 DR0 (20x & 50x lenses)
- 1- 250 AMP Mig/Tig Welder with Handling Capacities for 4000# Weldments
- 1- 14" J&L Measuring Comparator
- 1- Hurco VMIII CNC Vertical Mill (18" x 24" travel)
- 1- Lucas 4" Spindle Horizontal Boring Mill 36" x 48" Rotary Table & .0005 Readouts
- 1- 36" King Vertical Lathe
- 1- 11" x 32" Engine Lathe
- 1- Sunnen Hone 3" Capacity
- 1- Sodick KIC Hole Popper
- 1- Bridgeport Series 1 Mill
- 1- Charmilles 240cc Wire EDM- Table Travel X=13.5", Y=8.5", Z=8.5", .004 to .010 Wire Diameter
- 1- Trak TRL/540 V CNC Lathe
- 1- 18x72 Summit Engine Lathe
- 1- 24x96 Edestal Engine Lathe