



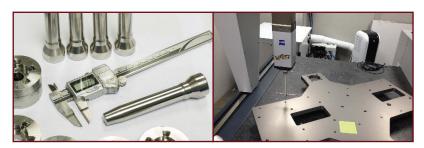
# Machining, Welding and Metal Fab Capabilities



**Waterjet Cutting** 



**CNC Turning** 



Quality control, inspection & reverse engineering



Our 63,000 sq. ft. facility



**Welding & Fabrication** 



Wire EDM - 12" 18" 9"Z



**Precision CNC Machining** 





# Machining, Welding and Metal Fab Capabilities

### CNC 2-Axis Turning Lathes

Up to 30" max. swing, 25" cutting diameter, 78" cut length, 6.4" thru spindle capacity

## **Manual Turning Lathes**

- Up to 20" swing x 120"
- between centers
- Hollow spindle 10" bar thru capacity with 24" swing

## **Horizontal Boring Mill**

Table size of 72"X, 48"Y and 60"Z travels

#### **Grinders**

- Rotary surface up to 40" diameter x 13.5 height
- Horizontal surface up to 18" x 60" x 10" height
- ID grinder: 2.5" to 6" x 10" stroke
- OD grinder: 12" diameter x 36" stroke

# Waterjet

- 55" x 100" cutting envelope, 5" x 10" plate size
- 23" x 48" cutting envelope with 8" Z travel

## **CNC Vertical Machining**

- Up to  $64^{\prime\prime}X \times 34^{\prime\prime}Y \times 30^{\prime\prime}Z$  travel
- High speed and coolant thru spindle
- 4th Axis capability

## **Manual Milling Machines**

10 Bridgeport style mills

#### **Drills**

Up to 84" radial arm with 18" column, 3" spindle diameter, 16" stroke, 96" upright clearance

#### **On-Site Heat Treat**

13.8" X axis travel, 9.8" Y axis travel, 8.7" Z axis travel, 3.1" U axis travel, 3.1" V axis travel

# Precision Machining, & CNC Milling

- Madison-Smith is your turnkey solution in all general machine shop needs. Our Team brings guaranteed skills to use our vast precision machining capabilities coupled with the ingenuity to meet any of your needs. We cover single prototypes to rush jobs, emergency repairs on any shutdown, and even small production projects.
- We guarantee our work, integrity, and expertise in our machining professionals.

### **Custom Metal Fabrication**

- Madison-Smith prides itself on providing expert metal fabrication and welding services to some of the largest plants in the area. Our team seeks to be on time, on budget and continually improving with every project we complete.
- Our Certified welders bring years of experience to your project. We equip our professionals with cuttingedge material handling and fabrication equipment to assure the up-most success with any project.
- From the smallest precision pieces, to large on-site projects, Madison-Smith's custom metal fabrication team is here to provide all of Kentucky's Fabrication solutions.