



# Troy industries inc.

*The cutting edge of technology*



## Troy Industries Services:

- CNC Turning & Milling
- 3D Contour Machining
- Fixtures & Prototypes
- Dies & Molds
- Indexable Tooling
- Specialty Tooling
- Design & Build



## Providing Customers With:

- Guaranteed Quality
- Maximum Machining Efficiency
- Lowest Manufacturing Costs
- Friendly Customer Service

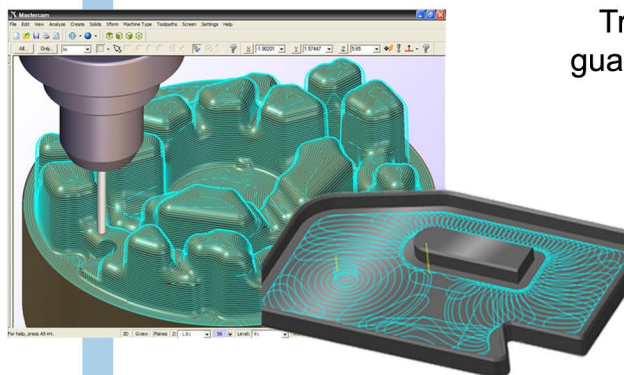


## Mission Statement:

Troy Industries Inc. will continually improve and excel on quality, efficiency, and innovation to achieve and exceed the needs of our customer's satisfactions.

## Troy Industries Benefits:

Troy Industries offers fast on time quality machining services guaranteeing our customers the best competitive pricing around.



ISO 9001:2008

**Cage Code:** 5KUJ9

**Duns #:** 095401048

**Serving a wide cross sections of manufacturing industries.**







# TROY INDUSTRIES INC. EQUIPMENT LIST



## KASUGA QUANTUM CNC Milling Machine

Model #: Q-2000V-42



**Our Biggest Machine 95" x 40" Working Table**

The Kasuga Q-2000V-42 is a heavy duty rigid milling machine with an 11,000 lbs work load, high torque motors, CAT-50 tooling, 45 HP, and a Z axis thrust of 24,281 ft/lbs. This machine is great for quickly roughing to finishing large molds and dies.

### Work Table:

- Working Area: 95" x 40"
- Max. Table Load: 2,200 Lbs

### Travel Range:

- X Axis: 80.00"
- Y Axis: 42.00"
- Z Axis: 28.00"

### Tool Changer & Spindle:

- Holder Type: CAT50
- Tool Storage: 40 Capacity
- 6,000 RPMs With 45 HP



## KASUGA QUANTUM CNC Milling Machine

Model #: Q-1000V



**12,000RPMs CAT-50 Spindle**

### Work Table:

- Working Area: 55" x 23.6"
- Max. Table Load: 2,200 Lbs

### Travel Range:

- X Axis: 42.00"
- Y Axis: 24.00"
- Z Axis: 25.60"

### Tool Changer & Spindle:

- Holder Type: CAT50
- Tool Storage: 30 Capacity
- 12,000 RPMs With 25 HP

With a 12,000 RPM spindle using CAT-50 tooling the Kasuga Q-1000V is a machine with great rigidity and speed. It's an excellent machine for quickly milling mid-size molds & dies. Plus having 12,000 RPMs this machine can quickly and efficiently cut jobs that have fine detail pockets that use small size end mills.

## DEPO CNC Milling Machine

Model #: MCFV-125

With built-in Heidenhain Linear Glass Scales the DEPO has additional accuracy & precision for jobs that require tighter tolerances.



**High Precision Linear Glass Scales**



### Work Table:

- Working Area: 57" x 24"
- Max. Table Load: 3,000 Lbs

### Travel Range:

- X Axis: 50.00"
- Y Axis: 30.00"
- Z Axis: 36.00"

### Tool Changer & Spindle:

- Holder Type: CAT50
- Tool Storage: 32 Capacity
- 6000 RPM's With 25 HP

## HAAS CNC Milling Machine

Model #: VF-3

Since the HAAS uses CAT-40 tooling it is best utilized for milling smaller parts. However, with 4th axis capability it can shorten milling time when machining more complex parts.



**8" 4th Axis Rotary Table Capability**

### Work Table:

- Working Area: 48" x 18"
- Max. Table Load: 3,500 Lbs

### Travel Range:

- X Axis: 40.00"
- Y Axis: 20.00"
- Z Axis: 25.00"

### Tool Changer & Spindle:

- Holder Type: CAT40
- Tool Storage: 32 Capacity
- 7,500 RPMs With 15 HP

## MONFORTS CNC Lathe Machine

Model #: RNC 400 AC



**Live Tooling C-axis Interpolation On X & Z Axes**

Fast, accurate, reliable, and with C-axis live tooling capabilities this lathe is perfect for a wide range of turning applications. With shorter production cycles and less setup time this lathe will get the job done.

### Working Range:

- Max Swing Dia: 16.54"
- Max Swing Dia. Over Radial Slide: 11.02"
- Traverse X-Axis: 9.84"
- Traverse Z-Axis: 24.40"
- Turning Length: 23.62"

### Spindle:

- Spindle Diameter: 5.12"
- Max Bar Capacity: 2.56"

### Tail Stock

- Max Distance Between Chuck & Tail Stock: 48"

### Live Tooling Capability

- Live Tooling Horse Power: 18 HP
- Live Tooling Speed: 4,500 RPMs
- Tool Changer Stations: 12

## MHP CNC Lathe Machine

Model #: MTC-3

- Max Machine Diameter: 15.75"
- Max Swing Over Bed: 17.75"
- Max Longitudinal Travel: 21.5"
- Max Distance Between Chuck & Tailstock: 19.5"
- Max Turning Length With Standard Chuck: 15.75"
- Max Cross Travel: 8.0"
- Max Turning Dia Between Centers: 10"
- Max Machine Diameter: 15.75"
- Max Swing Over Bed: 17.75"
- Max Longitudinal Travel: 21.5"
- Max Distance Between Chuck & Tail Stock: 19.5"
- Max Turning Length With Standard Chuck: 15.75"
- Max Cross Travel: 8.0"
- Max Turning Dia Between Centers: 10"



**Standard 2 Axis Lathe**

Standard 2 Axis lathe best used for turning small to medium size parts. Machine is best used for turning simple geometrical parts.

## Other Machines

- Spindle Wizard Series II CNC Mill
- 2 Manual Lathes
  - LeBlond Makino
  - Hardinge
- 6 Bridgeports
- KENT: MAX-D Surface Grinder
- MILLER: TIG & ARC Welder
- Automatic Horizontal Cycle Band Saw
- Vertical Band Saw

## Software

- MasterCAM
- AutoCAD Mechanical
- Autodesk Inventor

**Mastercam®**

**AutoCAD®**



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