

## Cupples' J&J Laser Cutting, Plasma Cutting and Fine Plasma Cutting

Cupples' J&J Company provides laser cutting, cnc punching, and turret press services along with cnc plasma cutting, cnc fine plasma cutting, production forming and production welding.

### Laser Cutting;

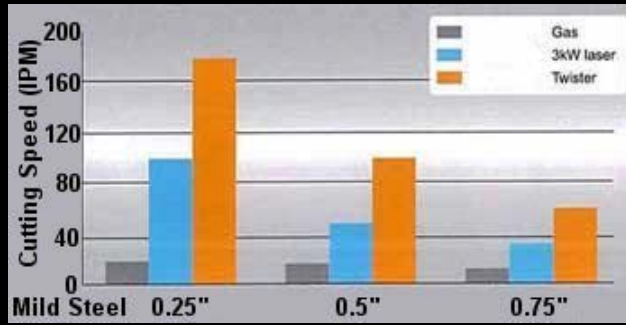
- 1 ea - Amada FO4020NT 6,000 Watt Laser Cutting Machine - Dyersburg Division
- 2 ea - Bystronics BySpeed- 5,200 Watt Laser Cutting Machine - Jackson Precision Fabrication Division
- 1 ea - Bystronics ByStar- 5,200 Watt Laser Cutting Machine - Jackson Precision Fabrication Division
- 1 ea - Trumpf L3050 - 5,000 Watt Laser Cutting Machine - Jackson Precision Fabrication Division
- 1 ea - Trumpf L3030 - 4,000 Watt Laser Cutting Machine - Dyersburg Division
- 2 ea - Trumpf L3030 - 3,000 Watt Laser Cutting Machine - Jackson Precision Fabrication Division



### The capabilities are as follows;

- Up to 80" X 160" Cutting Table
- Pallet Shuttle
- Automatic Material Loader
- 450 PSI Nitrogen Delivery to the point of cut
- Maximum Acceleration of 3G with maximum rapid speed of 11,800 inches/minute
- High Speed Cutting up to 2,000 IPM in the cut ( .040" aluminum )
- Optical Probe for sensing and cutting on existing parts
- Auto-Las Plus Flying Optics for maintaining consistent cutting across the cutting surface
- Controlled pulse piercing for high speed piercing and cutting holes down to 1/2 material thickness
- Production Cutting capabilities of up to 1.00 inch thick carbon steel and .75 inch Thick Clean Cut stainless steel

## CNC Plasma Cutting ;



### 1 EA - Komatsu Twister TFP3051 150 Amp Fine Plasma Cutting Machine with the following;

- 60" X 120" Cutting table
- 150 AMP Komatsu Fine Plasma
- Production cutting capabilities up to 1.25" Carbon steel and 3/4" Thick Stainless Steel

### 1 EA Koike - Aronson CNC Plasma Cutting Machine with the following;

- 72" X 120" Cutting table
- 100 AMP Hypertherm Plasma
- Production cutting capabilities up to 1" Carbon steel and 3/4" stainless steel

All cutting equipment has Fittings Libraries for cutting most standard fittings.

Parts that are thick yet have some small holes can be cut by laser then machined in a cell with the laser / cnc drill tap machine.

## Laser and Plasma Products;

- Brackets ( flat or formed ), Flat plates, Guards, Flanges, Washers, Heat Shields, Misc. Sheet Metal Assemblies, Machined style parts up to 1.125" thick



The Laser Cutting Division is also supported by CNC Punching , Robotic Welding, Machine shop , Screw Machine and General Sheet Metal Fabrication Divisions. Cupples' J&J could fabricate single parts up to entire assemblies.