



Master Metal Products' Capabilities

Master Metal Products is a custom metal fabrication shop based in San Jose, CA. MMP is dedicated to living up to the legacy of quality workmanship and unparalleled customer service established when the company was founded in 1931.

MMP strives to deliver the pieces that meet and exceed the expectations of our customers. We are able to do that on a consistent basis because of our dedication to using the best materials and tools at every step of the way.

MMP technicians execute a host of metal fabrication services — cutting, punching, forming, rolling, drilling, machining, welding and finishing — while working with steel, stainless steel, aluminum as well as more exotic materials. Our plant is stocked with state-of-the-art CNC and robotics that help each job to run efficiently and accurately.

Master Metal Products serves clients across a wide variety of industries, including transportation, green, defense, aerospace and mining.

Each member of the MMP team stands ready to deliver excellence, from concept to delivery. We look forward to hearing how we may be of assistance.

We invite you to learn more about our capabilities on the next page. Please visit our website at www.mastermetalproducts.com for more detail.

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Master Metal Products' Capabilities

CUTTING

MMP utilizes plasma, flame, laser and shearing cutting methods, concentrating on speed and accuracy. From shim stock to six-inch plate, MMP cuts a variety of materials with either CNC controlled machines or manually.

- Plasma up to 2" SST, up to 600 IPM cutting speed, CNC contour control
- Propylene up to 6" HRS, CNC contour control
- 10' x 20' table: in or out of water
- 20" x 25" Vertical Band Saw, auto-tilt 60 degree mitering left & right, with 48" indexing automatic bar feed
- Shearing up to 12' long and 3/8" thick mild steel with automatic stacker at rear
- 1/8" x 6' precision shearing

PUNCHING

MMP's punching machines include CNC programmed, automatic or manual and punches necessary to deliver round, square, slot or specialized holes exactly where needed.

- CNC 55 ton, 42 station, 3/4" (MS) 60" x 144" with auto tool changer & 400 amp precision plasma contouring
- CNC 40 ton single station, 48" throat, uses standard punches and plasma torch to make cutouts
- 50 ton single station, 36" x 144" gauging punch
- 90 ton hand operated beam, channel and angle punching

FORMING

The hydraulic and mechanical presses at MMP offer precision gauging with a large selection of dies and high tonnage capacities.

- 750 ton, 18' long bed, with precision back gauging
- 350 ton, 16' long bed, with CNC back gauging and ram control Autoform
- 175 ton, 18' long bed, with CNC back gauging and ram control Autoform

ROLLING

Our fabricators have the experience necessary to deliver tube, pipe, angle or structural pieces to meet any demand.

- Up to 1-1/2" Plate x 8' long (MS) with top roll diameter 19"
- 3/8" Plate x 6' long (MS) hydraulic precision controls with pre-bending

- 5" x 5" x 1/2" angle (MS) hydraulic precision control (Easy Way)
- 3" x 3" x 1/4" angle (MS) hydraulic precision control (Hard Way)
- 8" Tri Roller, 16" rolls; 10" round pipe, 8" square tube capacity
- 10" wide x 2 5/8" x 30lb. channel (MS) hydraulic precision control
- 4" tube roll (spiral or single) with or without plug mandrels
- Miscellaneous small roll forming machines

DRILLING

By utilizing CNC cut templates, precisely aligned machines and experienced personnel, MMP has the ability to provide drilling expertise that ensures each part will work exactly as designed.

- Carlton 6' arm x 15" column (hydraulic)
- Carlton 3' arm x 9" column
- Miscellaneous small precision equipment

MACHINING

MMP provides clients with precisely milled, bored, turned or machined parts used in a number of applications.

- Bridgeport EZ-Trak II, 3 axis CNC milling machine. 3hp, 58" x 11" table
- Colchester 12" round x 48" long lathe

WELDING

MMP's welders are experts in TIG, MIG, stick and robotic welding for all types of materials, including steel, stainless steel and aluminum. MMP utilizes the most advanced robotic equipment and positioning to ensure fast and accurate welds in a production environment.

- MIG — up to 500 amps — and TIG — up to 300 amps
- Pair of CNC Robots that feature six axis, 71" of working range and weld positioners
- Ask about working with custom fixtures

FINISHING

MMP has the capability to add graining, polish, paint or powder coat to practically every material before delivery.

- Steel shot blast (8' diameter x 60" high)
- 36" wide vertical belt
- 8" x 12' traveling belt
- Dozens of grind and polish hand tools

