

O&M Engineering

O&M
Engineering
908.304.5787
www.om-eng.com

About Us

O&M Engineering is a full-service engineering and metal fabrication contracting company that has served the eastern seaboard of the United States since 2001. We have facilities located in both New Jersey and Pennsylvania.

Our highly skilled staff of expert engineers, welders, fabricators, and machinists bring years of experience to all of our clients' projects. We specialize in rebuilding, retro fitment, and repair of major infrastructure as well as custom design and fabrication for specialized components. In order to satisfy the demands of today's rapidly changing industries, we are constantly keeping our staff updated on the latest certifications and codes and reinvesting in state-of-the-art equipment. Our full-service approach allows us to respond quickly and effectively to our customers for emergent issues and help plan for continued growth and development. Our focused approach has allowed us to work with our customers to increase productivity and factory throughput to increase revenues.

How Can O&M Engineering Help You?

O&M Engineering is a full-service welding and fabrication company with soon-to-be 30,000 ft² of facilities in the Lehigh valley. We specialize in both on-site and shop welding and fabrication. We can easily fix structures, machinery, and parts that are too large or heavy to cost-effectively move as well as custom build pieces engineered for your specific facility.

Services Provided:

- Specializing in Both On-Site and Shop Welding and Fabrication
- CNC Plasma Cutting
- AWS Certified Precision Welding (TIG, MIG, STICK)
- Metal Cutting Services
- Engineering and Design Consultation Services
- Metal Erection
- Demolition Services
- Emergency Power Generation (Single and Three Phase)
- Full In-House Machining Capabilities
- Pulse, MIG & TIG Services Specializing in Aluminum and Stainless Steel
- 24/7 Emergency Response Services Available

Welding Certifications/Accreditations

AWS 1.1, 1.2, 1.4, 1.5, 1.6, 1.8, 17.1

ASME (U/R)

AWS X-Ray Certifications Available Upon Request

In-House Services

CNC Plasma: Our CNC Plasma table is equipped with the latest in precision servo electric motor control technology. We can hold positional tolerances down to 0.001" while maintaining superior edge quality with the latest in "HD" consumables. Our machine has the capability of cutting any metal up to 2" thick and overall dimension of up to 5'x20'.

Machining Services: Our machining services range from Turning, Tumbling, and CNC Milling.

Welding Capabilities

MIG Welding

- Mild Steel from 22 Gauge up to 4" thick
- Stainless Steel from 22 Gauge up to 4" thick
- Aluminum from 14 Gauge up to 2" thick

Pulse MIG

- Mild Steel from 24 Gauge up to 2" thick
- Aluminum from 18 Gauge up to 1" thick

STICK Welding

- Mild Steel from 16 Gauge up to 4" thick
- Stainless Steel from 16 Gauge up to 4" thick

TIG Welding

- Mild Steel from 28 Gauge up to 2" thick
- Stainless Steel from 28 Gauge up to 2" thick
- Aluminum from 26 Gauge up to 1" thick

Pulse TIG

- Mild Steel from 28 Gauge up to 2" thick
- Stainless Steel from 28 Gauge up to 2" thick
- Aluminum from 26 Gauge up to 1" thick

Rolling Capabilities

- ½" plate, 10' wide

Markets Served

- Food & Beverage Processing
- Heavy Marine
- Manufacturing
- New Construction
- Rail
- Power Generation
- Water Treatment
- Natural Gas
- Hydraulic Fracturing
- Mining Industry
- Military
- Medical
- Pharmaceutical Industry

Equipment List

*NEW 20,000 ft² Lehigh Valley location & 300-ton Rolling Mill***

Welding

- (4) Miller 350P with Aluma-pro (Aluminum and Stainless Steel MIG welding packs)
- (4) Miller XMT 350P power supplies with matching suitcase feeders
- (4) Miller Dynasty 350 DX liquid cooled high frequency TIG welders
- (4) Miller Dynasty 700 DX liquid cooled high frequency TIG welders
- (1) Miller Big Blue Air Pack Duo Pro
- (1) Miller Big Blue Air PackD
- (1) Miller Big Blue Pipe Pro 350D
- (1) Miller Big Blue 400D
- (5) Precision ground welding fixture tables 5'X 10'

Cutting

- (4) 150 AMP Hypertherm plasma cutters capable of cutting up to 3" material
- (1) 200 AMP CNC Hypertherm high definition plasma table 5'X 10' bed, capable of handling material from 26 gauge up to 2" thick
- (1) Jet 5HP 60" band saw
- (1) 3HP Steelmax beveling machine

Drilling

- (3) Jancy Beam-line mag drills

Grinding/Polishing

- (1) 5HP Jet Timesaver belt/disc sander
- (2) Metabo dynafiles
- (2) Metabo polishing drums

Punching/Bending

- (1) 100 Ton Geka punch with oversized punching capabilities and full sets of Metric and American tooling
- (1) 100 Ton Geka Bendicrop Ironworker with press brake extension

Machining

- (1) 7.5HP 24" Southbend lathe
- (1) 3HP Bridgeport mill (60"X30"X30" bed)

Lifting/Rigging Equipment

- (2) 5 Ton overhead gantry cranes spanning shop floor
- (1) 1 Ton trolley crane
- (1) 5 Ton Clark forklift
- (1) 2.5 Ton Clark forklift
- (4) JLG 1930ES scissor man lifts