Facilities List
April 2019

Waterjet/Plasma Fabrication
CNC Machining
Sheet Metal Assembly
Painting (CARC)
CMM Inspection

Full-Service Contract Manufacturers Serving Industry Since 1938

4860 5th Street Highway
Temple, PA 19560
Phone: 610-921-0203
Fax: 610-929-8833
Web site: www.trimmaster.com

- A veteran-owned, small business -
- ITAR Registered with the U.S. Department of State -
HIGHLIGHTS

**Machine Shop**
- 3 OMAX waterjet machining centers (including 5-axis)
- 2 Haas VF-9/50 vertical machining center
- Haas ST-30Y Turning Center
- Okuma Cadet Mate CNC vertical machining center
- Okuma MC-30VA CNC vertical machining center
- Leadwell MCV-1300 CNC vertical machining center
- 2 Bridgeport CNC milling machines
- Lathes: assorted manual
- Drill Presses: assorted

**Fabrication**
- Welding: MIG, TIG, Stick
- Materials: carbon steel, stainless, aluminum, copper, copper-nickel alloys, alloy tool steels, titanium
- Certified to AWS standards D1.1 (steel), D1.2 (aluminum), D1.3 (sheet steel), D1.6 (stainless steel), D1.9 (titanium), D17.1 (aerospace) and NAVSEA
- Ironworker: Piranha Model P-70
- Hy-Definition CNC plasma cutter
- Press Brakes: gauge and plate
- Saws: band, vertical, disc, cold and hot saws

**Sheet Metal**
- Murata-Wiedemann Motorum 2044 turret punch press
- Saws: Do-All, Walker, Turner
- Kuhlmeyer Model ZBS 1 Twin-Belt Grinding and Polishing Machine
- Shear

**Engineering and Inspection Equipment**
- AutoCAD Mechanical 2019, Autodesk Inventor 2019, Mastercam 2019, Sigma Nest, Striker Systems
- 5-axis CMM with PC Demis software
- Quality Assurance Manual per MIL-I-45208A

**Other**
- Finishing: sandblasting, painting including CARC painting
- Local delivery in company-owned trucks
MACHINE SHOP

CNC Machines

2 OMAX 80160 waterjet machining centers, table size: 174” x 91”, X-Y Travel: 168” x 80”,
1 OMAX EnduroMAX, 5-axis waterjet machining center, table size: 180” x 89”,
   X-Y Travel: 165” x 80”
2 Haas VF-9 vertical machining center with 50-taper geared head, 30 hp (22.4 kw) vector
   drive, 7500 rpm Haas rotary axis HRT210, 80” X-axis, 40” Y-axis, 30” Z-axis, equipped
   with 3-jaw chuck or 6T-slot for fixturing or work holding, new 2008 and 2017
1 Haas ST-30Y Turning Center with 3400 RPM/30hp spindle, 12” chuck with 3” thru bore,
   18” diameter with 23” travel in Z capability, programmable tailstock, live tooling
1 Okuma Cadet-Mate CNC vertical machining center, 40” X-Axis, 20” Y-Axis, 20” Z-Axis,
   20-tool changer, 8,000 RPM
1 Okuma CNC vertical machining center, Model MC-30VA, 20” X-Axis, 13” Y-Axis, 15-3/4”
   Z-Axis, 16-tool changer, 6,000 RPM
1 Leadwell CNC vertical machining center, Model MCV 1300D, 50” X-Axis, 30” Y-Axis, 23”
   Z-Axis

Milling Machines

1 Tree Tool & Die Works turret type milling machine, Model 2UV, swivels from vertical to
   horizontal positions, 8 spindle speeds
1 Bridgeport vertical type milling machine, 8 spindle speeds, Model F 7347 00217
1 Bridgeport vertical type milling machine with slotting head attachment, Model 20V, digital
   readout, Lyman power-feed 9” x 45” table

Lathes

1 Monarch engine lathe, Model 612, 20” swing, 14-foot bed, 36 spindle speeds
1 Warner & Swasey turret lathe, universal type, Model M-2240, Number 4

Saws

1 Do-All metal cutting band saw, Model ML, 16” capacity, 24” x 24” table
1 Do-All horizontal metal cutting band saw, Model C-260A, 10” diameter capacity
1 Walker-Turner metal cutting band saw 7” capacity, 16” x 16” table
1 Delta abrasive cut-off saw, 10” blade, radial type
1 Cosen horizontal miter-cut band saw, Model SH-330ER, 12” x 12”

Drill Presses

1 Ikeda radial drill press, Type RM 1300 column, 3-foot arm, 3.7 KW motor
1 Sequorney 4-spindle drill press, 11” capacity, sliding-spindle head
1 Delta 5-spindle drill press, 17" capacity, 8' x 30" table
1 Burgmaster 6-spindle automatic indexing turret drilling machine, 12" x 18" table
1 Powermatic 6-spindle drill press, Model 1200

**Grinders**

1 Do-All hydraulic surface grinder, 8" x 24" magnetic table
1 Do-All hydraulic surface grinder, 6" x 18" magnetic table
1 Brown & Sharpe Number 2 surface grinder, 6" x 18" magnetic table
1 Reid surface grinder, Model 618V, 6" x 18" magnetic table, Pope spindle style P-32-T
1 K.O. Lee tool and cutter grinder, Model B600-12-50, 24" x 5" single-slot universal table, motor driven head
1 Rotorex-Hunder Engineering tool and cutter grinder, Model 101A, single-slot universal hand-feed 24" x 6" table, ID attachment
1 Black Diamond drill grinder, for ½” to 2½” diameter drills
1 Black Diamond precision drill grinder, Number 9095, Size 2
1 Heavy duty double-end grinder, 10" diameter grinding wheels
1 Kalamazoo Industries heavy duty ball bearing double-end grinder, Model 67-195-30, 6" diameter grinding wheels

**Miscellaneous Machine Shop Equipment**

1 Demag jib crane, ½-ton capacity, 8" x 1" x 10’ beam, 1½ ton Hitachi electric hoist
1 Shepard Niles Crane and Hoist 5-Ton monorail, Model 540, wire cable hoist
1 Demag 5-Ton traveling bridge crane, 26-foot span

**Fabrication and Sheet Metal Shop**

**Brakes and Shears**

1 Niagara press brake, Model 1B-60-8, 3" stroke, ram adjustable 5", 60 ton x 10’ capacity
1 Niagara press brake, Model HBM-135-10-12, 135 ton x 12’ capacity with Hurco CNC back gauge
1 Piranha Model P-70 Single Operator Ironworker
2 Manual bending brakes, 48” and 60” long
1 Cincinnati 100-Series hydraulic shear, 250 ton x 120” capacity
1 Pexto power shear, 14” x 48” bed, 14-gauge x 48” capacity
1 Heckert plate shear, Model ScTP 16 x 3150, 5/8” x 10’ capacity
1 Pacific press brake, Model 211-12, 235 ton x 10’ capacity
Forming Equipment

1. Cole-Tuve plate bending rolls, initial pinch type, 60” x 5”
1. Tennsmith roll forming machine, Model SR48P, 16-gauge capacity (mild steel)
1. Pexto vertical roll forming machine, two 2½” diameter x 2” wide rolls
1. Milton Equipment power-operated pyramid forming rolls, three 3” diameter x 48” long rolls
1. Niagara bending machine, manually operated, 50” long
1. Parker tube bender, Model 1216, hydraulically operated cylinder, 6” bending diameter capacity

Presses

1. Murata-Wiedemann Motorum 2044 turret punch press, 20-metric-ton punching capacity, 300 hits-per-minute punching, 500 hits-per-minute nibbling, 2 auto indexing stations
1. Wiedemann-Warner & Swasey Templematic turret punch press, type RA42P, 24 indexing stations, pneumatic material clamp, 7’ x 5’ table, 36” throat

Welding Equipment

1. Millermatic 250X mig welder
5. Miller CP-302 mig welders with S-64 wire feeders
1. Deltaweld 302 MIG and Stick welder
1. Deltaweld 452 MIG and Stick welder
1. Millermatic 350 P Welder
1. Miller Syncrowave 351 TIG welder
1. Miller Syncrowave 350 TIG welder
1. Nelson stud welder, Model TR-850
1. Welding Technologies spot welder, Model DN 55, 55 KVA
1. Peer Inc. spot welder, Model AR 335, 35 KVA, 24”, with sequence timer panel Model SB7C and heat control panel Model 75
1. Ace spot welder, 12”, 3 KVA, water-cooled
1. Airco "Phase Arc 350" arc welder with auto-reel
1. Lincoln Idealarc TIG/Stick welder, 300-amp, Model 300/300
1. Miller Syncrowave 350 TIG welder
1. PEMSERTER Series 4 Press
Other Fabrication Equipment

2 Metal Master MG CNC Hy-Definition plasma cutting center, table size 72" x 120", 1" thick aluminum and stainless steel, 1-1/4" thick mild steel, near-laser quality cutting
1 Esab plasma cutter, Model 34828, 1" stainless cutting capacity
1 Atlas welding positioner, Model 200
1 K.N. Aronson welding positioner, Model HD20A-PTVR2, 21,000 inch-pound tilt torque capacity
2 Bridge cranes, 5-ton, 40' span, 1 - Demag and 1 - Robbins & Myers
1 Steelmax SM-BM21 Beveling Machine

FINISHING EQUIPMENT

Blasting & Sanding Equipment

1 Empire sand blast system in isolated 15' x 20' x 10' high enclosure, with Effective Control dust collection system
1 Kuhlmeyer Model ZBS1 Twin-Belt Grinding and Polishing Machine
1 Zero Blast-N-Peen machine, Model BNP 55-6, 20" x 42" surface x 26" high enclosure
1 Delta disc sander, 12" diameter
1 Mead vertical sander, 1" x 19"

Painting Equipment

1 Paint booth, 24' long x 14' wide x 10' high
1 Graco AirPro Spray Gun, compliant, with 3M PPS cup
1 PosiTector 6000 Coating Thickness Gage (Defelsko Corporation)

ENGINEERING AND INSPECTION

- Knowledgeable in mechanical, pneumatic, hydraulic, electrical and electronics design
- Operating software: AutoCAD Mechanical 2019, Autodesk Inventor 2019, Mastercam Sigma Nest, Striker Systems
  Brown & Sharpe Xcel 9129 CMM with Tesa-Star-m TKJ Motorized Probe Head, Tesa-Star Touch Trigger Probe and PC-DMIS CAM (GD & T) software.
  Measuring range: X: 900mm (35.4), Y:1200mm (47.2"), Z:850mm (33.5")
1 SIC Standalone dot peen marking station (e10 range)
- Connected to Internet via networked broadband connection
- Multiple, large-drawing plotters
**MISCELLANEOUS PLANT FACILITIES**

1. Endoscope, 6 LED low lux luminate, waterproof usb
2. Ingersoll-Rand air compressor, Model SSR-XF50, 216 CFM, 50 HP
3. Atlas Copco air compressor Model GAU 40-100/125
4. Worthington air compressor, Model AV type "U", 15 HP
5. International (2006) flat-bed truck
6. Isuzu (2010) stake body truck, 14’ bed
7. Fork lift trucks, 6,000-pound capacity
8. Raymond electric fork truck, Model 251, 2,000- pound capacity
9. Newton hydraulic hydrotruck
- 440-Volt, 1200-amp service in 3 bays
- 20,000 square foot machine shop
- 10,000 square foot sheet metal shop
- 20,000 square foot fabrication shop
- 10,000 square foot sheet assembly area
- 10,000 square foot engineering, design and office area