

Cortec Precision is a Sheetmetal & Machining fabrication company, with a 78,000 sq. ft. MFG / Paint facility. We specialize in offering our customers prototype and production manufacturing runs. Our quality control program has been designed to assure the customer a complete quality product, according to blueprint and customer specifications. As of January 2003 BSI Management Systems registered Cortec as ISO 9001-2000 certified and re-certified as ISO 9001-2008. Our Commitment to you is quality workmanship, customer service and on time delivery.

The following details our facility equipment list as of Feb / 28 / 2013:

COMMUNICATION

- Internet access bundle T1 connection.
- E-mail: cortec@cortecprecision.com Web: www.cortecprecision.com
- FTP capabilities

ENGINEERING

- SIEMENS NX
- Amada AP100US 2013
- Amada SheetWork for Unfold #D Solid Sheet Metal CAD System
- Amada Dr. Abe Tube, Fabriwin 2011 CAD/CAM system
- In-house Engineering
- Bar Code Scheduling and Job Tracking
- Computer Networking Systems
- SOLIDWORKS 2013, DXF, IGES, CADL, INVENTOR
-

QUALITY ASSURANCE

- Fully equipped inspection room
- Virtek LaserQC Inspection System with SPC Software
- 36" x 48" Surface Plate and 12" x 18" Surface Plate
- 40", 24" and 18" Mitutoyo Dial Height Gauge
- 81 piece Gauge Block Set
- Meyer Plain Plug Gauge Set (.011 to .500)
- English and Metric Thread Plug Gauge Sets
- Digital, Dial and Vernier Calipers up to 40"
- 0" - 3" O.D. Micrometers
- Assorted Indicators
- ISO 9001-2008 BSI Registered certification 4/09
- TR-100 Surface Roughness Tester
- Portable CMM Platinum Faro Arm
- CMM Brown & Sharp Microval
- Mitutoyo Optical Comparator model: PH - A14
- Konica-Minolta CM2600-D spherical Spectrometer with On color Software
- Micro-TRI-gloss 20°, 60° & 80°-Fe/NFe combo Gloss meter/Paint Thickness System

SHEARING

- Amada M2045 CNC Six ft. Shear 3/16 Capacity
- Digital/Computer Controlled Amada Eight inch Corner Notcher with Inside Notcher

LASER SYSTEM

- Amada Pulsar MP1212 Production Laser System for precision cutting of stainless steel, cold roll steel and aluminum
- Amada FO 3015, 4,000 watt, state of the art laser system for precision cutting of stainless steel up to .500" thick, aluminum up to .250" thick and hot rolled steel up to .750" thick on a 60" X 120" capacity pallet changing rack system.
- Amada's FOM2 RI, the Rotary Index allow to cut bowed pipe or tubing and a significantly wider variety of tubing and pipe without the use of fixtures or collets. This Machine can process round, square, rectangle, C-channel, and angle iron. Productivity is further enhanced with the use of Dr. Abe_Tube software. Many common shapes and configurations are already pre-programmed making it very easy to fabricate tubular structures that fit together for welding.
- Amada Apelio II 357V Combination Laser / Punch capabilities
- Amada Pulsar LC2415A3 Production Laser System for precision cutting of stainless steel, cold roll steel and aluminum.

PUNCHING

- Amada 357 Queen 56 Station CNC turret punch press with two auto index stations, complete with FANUC Amada 04PC controls
- Amada 358 Vipros King 58 Station turret punch press with two auto index stations, complete with FANUC 04PC controls
- Amada SPH 30 with digital controls
- Amada TOGU III tool sharpener
- Sato Seiko SRL-35 30 ton punch press
- Two Amada autoloaders, MP1212 & MP1225NJ

FORMING

- Two Amada RG 80 ton brakes complete with numerical, three axis NC back gauge controls
- Amada RG 35 ton brake, complete with numerical, three axis NC back gauge control
- Amada RG 50 ton brake, complete with numerical, three axis NC back gauge control
- Amada RG100 10 ft. 100 ton brake, complete with numerical three axis NC back gauge control (10' capacity)
- Amada RG 3512 brake complete with numerical, three axis NC back gauge control
- Amada RG 5020 brake complete with numerical, three axis NC back gauge control
- Acra FRP-5016 power roller, (50" capacity)

HARDWARE

- Two Hager HP6 hardware inserters complete with auto feed and accessories
- Three Hager 824 Plus hardware inserters with auto feed

WELDING

- Fourteen 250 AMP Miller TIG welders
- One 250 AMP Lincoln TIG welder
- Eight 200 AMP Miller MIG welders
- One 250 AMP Cobramatic 260 MIG Alum Welder
- Two 50 AMP ACME Spot welders
- One Amada 500 AMP aluminum spot welder

MACHINING

- Two Bridgeport mills
- Super Mill with digital controls and power feed
- 12" Harig Surface Grinder
- Darey Tool Sharpener
- Milltronics Open Style Vertical Milling Center with 30" X 60" of travel.
- Hyundai VX400 Vertical Machining System mill
- Hyundai VX500 Vertical Machining System mill
- Hyundai SKT160A CNC Turning center Lathe
- Three HASS VF3ss CNC Machining System
- HASS VF7 CNC Machining System
- HASS EC-500 Horizontal Machining Center

FINISHING

- Two 36" Timesavers with dust collectors
- One 1995 12 foot stroke sander
- 2' x 2' x 4' bead blaster
- Torex T-6026 vibratory tumbler
- A complete assortment of metal finishing equipment
- Three 6' stroke sander

PAINTING & SILKSCREENING

- 1 Wet Spray Open Face booths.
- 2 ovens – enhanced duty walk-in series EWN-820-8G – 20' x 12' & 12' x 10'
- 2 Powder coating booth 20' x 12' – Recover system model PNR-2088
- MSP 3140 Silk screening equipment
- Phosphate – spray system.

ASSEMBLY/SHIPPING

- 10,000 sq. ft. assembly/shipping area
- 900 sq. ft. clean room packaging area
- 1,300 sq. ft. clean room assembly area
- 400 sq. ft. high level clean room assembly area
- Mechanical & electromechanical assembly facility
- Value Added/Turnkey contract capabilities
- Technical & manufacturing engineering support

With over thirty-five years of experience in sheetmetal fabrication and assembly, Cortec is capable of meeting all your requirements from prototype and quick turnaround to long term and turnkey contracts. We proudly offer our facilities and capabilities and encourage customer surveys. Please contact us at your convenience to schedule a survey.

"Our #1 Goal is to Continually Improve Customer Satisfaction"