FACILITY & EQUIPMENT

FACILITY

- 10.5-acre paved site (fenced yard)
- 10,000 ft^2 Office
- 100,000 ft^2 Fabrication Area,
  - 50,000 ft^2, multiple bays with 22 ft under hook
  - 45,000 ft^2, large fabrication bay,100 ft x 450 ft with 30 ft under hook
  - 5,000 ft^2, assembly bay, 50 ft x 100 ft with 55 ft under hook

CRANES

- (2) 40-ton x 100 ft span double trolley bridge crane, 30 ft under crane hook – large fabrication bay
- (2) 15-Metric ton bridge cranes, 55 ft under crane hook – assembly bay
- (1) 15-ton side gantry crane – large fabrication bay
- (4) 5-ton side gantry crane – large fabrication bay
- (3) 10-ton bridge crane, 22 ft under crane hook
- (4) 5-ton bridge crane, 22 ft under crane hook
- (30+) 1-ton ~ 7.5-ton jib crane

FORKLIFTS

- Yale 360, 32,000 lb.
- Yale 175, 17,500 lb. (Pueblo)
- CombiLift, 17,000 lb. Multidirectional
- Toyota 60, 6,000 lb
- Toyota 45, 8,550 lb.
- (2) Toyota 30, 5,000 lb. (1@ Pueblo)
- Yale 50, 5,000 lb.

FABRICATION SUPPORT

- Multiple, linear and radial, precision floor imbeds in large fab bay, configurable fixturing up to 90 ft long.
- Inlaid track for movement of heavy product within fabrication bays and extending outside of shop.
- Numerous welding positioners – up to 40,000 lb. capacity
- Numerous turning rolls - up to 40-ton capacity
- Large number of hand tools, tooling, benders, material handling, etc.
- Dedicated stainless steel fabrication bay for mitigation of cross contamination

PRESS BRAKES

- Accurpress, CNC, 9-Axis, 485-ton x 16 ft, 6-Axis Back Gauge
- Accura Press CNC 3 Axis 320-ton x 14’ (Pueblo)
- DiAcro, Manual, 15-ton x 4 ft

ROLLS

- Roundo, Plate Roll, 4-roll double I.P. CNC, 12’ x 1-5/8”
- Roundo, Plate Roll, 4-roll double I.P. CNC, 10’ x 9/16”
- Roundo, Plate Roll, 3-roll double I.P., 10' x 5/8"
- Montgomery, Plate Roll, 4-roll double I.P., 6’ x 1/4”
- Roundo, Angle Roll R5, L4½ x 4½ x 1/2” Capacity
- DiAcro, 2-roll urethane pinch, 16” x 3/16”

PLATE CUTTING – LASER / OXY / PLASMA

- Mazak Optiplex 4020, 4 kw, 78” x 157” travel, shuttle table

- Kinetic 4000 cutting system, 8’ x 20’ table
  - 260-amp high-definition plasma
  - Plasma bevel head
  - Oxy fuel head
  - 24 station machining head - drilling, tapping, chamfering

- Kinetic 2500 cutting system, 10’ x 24’ table
  - 260-amp high-definition plasma
  - Twin head

SHAPE CUTTING – LASER / SAW

- Mazak FabriGear, 4 kw, 6-axis with tapping, 8-5/8” OD x 26 ft
- HE&M, Automatic Feed, 24” x 24” capacity, programmable
- HYD-MECH, Vertical, 18” x 20” capacity
- HYD-MECH, Horizontal Automatic Feed, 18” x 18” capacity
- Powermatic, Vertical, 19" throat
- Soco, Cold Saw, 14” Blade

WELDING MACHINES

- GTAW - (20+) various models
- GMAW/FCAW - (50+) various models
- SAW - Teledyne Readco, 12' x 12' track manipulator
- SAW - Ransome, 10’x10’ track manipulator
- SAW - Pandjiris, 12’x12’ stationary seam welder
- SAW - Pandjiris Double 8, 8' x 8' x 30' track manipulator
- SAW - Flat Seam Welder, 12’ long x 1” thick
- SAW - Jet Line Seamer, 10 ft long (round), 1,000 amp
- GMAW/FCAW - BUG-O magnetic tractor welder
- GMAW/FCAW - BUG-O dual head tractor T welder

LATHES

- Samsung SL65, CNC with live tool & steady rest – 30” x 126”
- Haas SL30, slant bed lathe 17” x 34” w/ Servo 800 bar feeder
- Mazak Integrex 200s, 5-Axis
- Haas TL25
- HNK VTC-20/25, CNC Vertical Boring Mill with Live Spindle
  - 78” table x 98” max swing
  - 70” under rail
  - 20 hp live spindle with tool changer
  - Right angle head attachment for side work

MILLS

- G&L, CNC Horizontal floor type, 360” x 96” x 48”
  - 10 ft square rotary infeed table
- SNK, CNC Bridge Mill, 206” x 133” x 31”
  - Right angle head, indexable, Rotary horizontal chuck (19.7” Dia.)
- Feeler, CNC Bridge Mill, 205” x 94” x 47”
  - Right angle head, indexable
- Chevalier, CNC Bridge Mill, 162” x 101” x 39”
  - Right angle head
- TOS, Horizontal Boring Mill, 137.8” x 98.4” x 63” + w25.6”
  - 5.1” Bar, Ram, Quill, Full 4th axis, Right angle head
- Femco, Horizontal Boring Mill, 4.33” bar 78” x 70” x 66”
  - Full 4th axis
- Mazak CNC Horizontal Machine Center, 52” x 48” x 48”
  - Dual pallet, Full 4th axis
- Haas VF11, 120” x 40” x 30”
  - 15HP, 15,000 RPM, through spindle coolant
- Haas VF6, 64” x 32” x 30”
  - 4^{th} axis available
- Haas VF4SS, 50” x 20” x 25”
  - 4^{th} axis available
- Manual Mills, several small machines

PLATE BEVELING

- Steelmax, DBM 50, 2” capacity

PIPE THREADING

- Rigid, 1224, 4" pipe capacity

IRON WORKERS

- HMI, 70-ton, hydraulic
- Piranha P3, 50-ton, hydraulic

BLASTING AND PAINTING

- Blast Cabinet
- Blast Booth, 24 ft x 20 ft x 70 ft with recovery floor and inlaid track, available spray to waste system for virgin media
- Paint Booth, Viking climate controlled, 18 ft high x 20 ft wide x 75 ft long with inlaid track
- Graco, X45 airless sprayer
- Graco, “President” 30:1 ratio airless sprayer
- Electrostatic sprayer
- Several Binks spray guns

INSPECTION AND EXAMINATION

- CMM, Wenzel RH 20.16.30, 78” (X) x 118” (Y) x 62” (Z) maximum working envelope, 0.0007” accuracy
- FARO 3D Laser Tracker, 250 ft cube
- Faro Arm Platinum, 6 ft cube with leaping capability, coordinate measuring instrument
- Surface Plate, Various Gages and Measuring Instruments traceable to NIST
- Pneumatic / Hydrostatic Test Equipment up to 15,000 psi
- Bruker XRF Handheld PMI (Positive Material Identification) Analyzer, S1 Turbo
- Digital Psychrometer (humidity testing)
- Paint inspection instruments for adhesion, holiday, and thickness
- Liquid Penetrant (PT) examination
- Magnetic Particle (MT) examination
- Ultrasonic Thickness (UTT) Olympus 38DL Plus, Thickness Rage .003” – 25.000” (Depending on material)
- Bubble Leak Testing (BLT) Snoop and multiple gauges, internal and external testing.
- Vacuum Pump Stand
  - Roughing Pump – Leybold Sogevac SV630B Single Stage, rotary vane pump (444 cfm, 6E-2 Torr / 8E-2 mBar)
  - High Vacuum Pump - Leybold RUVAC WSU 2001 H Roots pump (1850 m^3, 3E-2 Torr / 4E-2 mBar)
  - Ultra-High Vacuum Pump – Shimadzu TMP-2003M Turbo Molecular Pump – 2000 l/s [N2] 1x10-8 Pa / 7.5E-10 Torr / 1E-9 mBar).
- Helium Tester, Leybold Ultratest UL 500 dry 5x10-11 to 10 mbar-l/s measurable helium leak rate w/ time constant < 1s