FACILITIES - MACHINERY AND EQUIPMENT INVENTORY

FACILITIES

Colorado Springs Main Facility
10.5 acre paved site (fenced yard)
100,000 sqft Fabrication shop + 10,000 sqft office
50,000 sqft with ~ 22ft to crane hook
50,000 sqft large fab bay with 100ft x 450 ft clean span ~ 30 ft crane hook
50ft x 100 ft assembly bay at one end with 55ft to crane hook

Machine Shop / Fab – located adjacent to Colorado Springs shop 50,000 sqft

Westminster Facility
82,000 sqft high bay shop / office
Large drive through door / multiple dock doors

CRANES (main facility)

(2) 40 ton x 100ft span double trolley bridge crane 30ft. under hook height
Twin 15 ton bridge cranes 55 ft. under hook height – assembly bay
15 ton side gantry crane – fit up in large bay
5 ton side gantry crane – fit up in large bay (4)
22’ ~ Hook 10 ton Bridge Cranes (3)
22’ ~ Hook  5 ton Bridge Cranes (4)
1 ton ~ 7.5 ton Jib Cranes (30+)
20 ton telescopic hydraulic mobile yard crane

SHOP SUPPORT

Several precision floor imbeds in large fab bay, configurable up to 90 ft long.
Numerous welding positioners – to 40,000 lb capacity
Turning rolls to 40 ton capacity
Large number of hand tools, tooling, benders, material handling, etc.

PRESS BRAKES

Cincinnati Hydraulic 20’ x 750 ton
Accura Press CNC 3 Axis 320 ton x 14’
Cincinnati Hydraulic 10’ x 175 ton

ROLLS

Roundo 12’ x 1-5/8” 4 roll double I.P CNC
Roundo 10’ x 5/8” 4 roll double I.P CNC
Roundo 10’ x 5/8” 3 roll double I.P.
Montgomery 6’ x ¼” 4 roll double I.P.
Roundo Angle Roll R5 L5x5x3/8” Capacity
DiAcro 16” x 3/16” 2 roll urethane pinch

PLATE BURNING / PLASMA

Kinetic 4000 cutting system 8’ x 20’ table
260 amp high definition plasma
With 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
Double head high precision
FLAT LASER
Mazak Nexus 2 - 4kw 78”x157” travels, shuttle table (new Oct 2014)

TUBE LASER
Mazak Fabrigear 8-5/8” OD x 24 ft (new 2011)
4,000 watt 6-axis w/ Tapping Head

SAWS
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
Powersmatic vertical 19” throat
Soco Cold Saw 14” blade

SHEARS
Cincinnati Mechanical 3/16” x 96”

IRONWORKERS
HMI 70 ton hydraulic
Pirahna P3 50 ton hydraulic

DRILLS
Ocean Avenger  60ft travel beam drill (new 2015)
Cincinnati Bickford Radial 6’ x 17” #6mt
Morris Radial Drill 5’ x 11” #4mt
Milwaukee Mag Drill (4)
Various other drills

WELDERS
Romar Odgen 18’x18’ track manipulator (sub-arc)
Teledyne Readco 12’ x 12’ track manipulator (sub-arc)
Ransome 10’x10’ track manipulator (sub-arc)
Pandjiris 12’x12’ stationary seam welder (sub-arc)
Pandjiris Double 8 8’ x 8’ x 30’ track manipulator (sub-arc)
Flat Seam Welder 12’ long x 1” thick (sub-arc)
Jet Line Seamer (round) 10 ft long 1,000 amp (sub arc)
TIG (20+) various models
MIG (50+) various models
Panasonic Robot 400 amp 8 axis, 5ft sq envelop
ABB Robotic Welding System 450 amp MIG 6’x6’x50’ work envelope with an integrated rotary axis, through the arc tracking and touch sensing and 8 functional axis of movement
BUG-O magnetic tractor welder
BUG-O dual head tractor T welder

LATHES
Samsung CNC with live tool & steady rest – 30” x 130”
Alpha CNC engine lathe 14x40
Haas SL30 slant bed lathe 17 x 34 w/ Servo 800 bar feeder
Mazak Integrex 200s
Mori Seiki (small capacity)

LATHES (vertical boring mill)
HNK 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
Bullard Vertical Turret - 46” chuck x 58” swing x 38” under head
MILLS (vertical & horizontal) (inches)
G&L CNC Horizontal floor type 360x96x48
- 10ft square rotary infeed table
Feeler CNC Bridge Mill 205 x 94 x 47
(Includes right angle head, indexable)
Chevalier CNC Bridge Mill 162x101x39
Femco HBM 4.33” bar 78 x 70 x 66
(full 4th axis)
Mazak CNC Horizontal Machine Center 52x48x48 (new Nov 2014)
Dual pallet 4 axis
Toshiba CNC Horizontal 118x80x40 (Westminster)
Tigercut CNC Horizontal 86x64x36 (Westminster)
Vanguard CNC Bridge Mill 98 x 49 x 29
(3) Femco CNC Machine Center 58 x 28 x 28
HAAS VF6 62 x 28 x 24 (Westminster)
Mori Seiki 24 x 48 x 20 (Westminster)
Several small manual mills

PLATE BEVELERS
Steelmax DBM 50 2” capacity
Heck 8000 bevel cutter 1/2” plate capacity
Gullco Bevel Mill (2) 1” plate capacity

PIPE THREADER
Rigid 1224 4” pipe capacity

T-DRILL
T-150 collaring machine

FORKLIFTS
Yale 32,000#
Comblift 17,000# crab lift
CAT 15,500#
Yale 9,000#
Yale 5,000#

BLAST & PAINTING
2 cabinet blasters
Blast building 24ft x 20ft x 60ft with recovery floor
Viking 18’high x 20’wide x 75’long enclosed spray booth
Graco X45 airless sprayer
Graco “President” 30:1 ratio airless sprayer
Electrostatic sprayer
Several Binks spray guns

INSPECTION EQUIP (partial)
FARO 3D Laser Tracker 250 ft cube
(2) Faro Arm Platinum 6’ cube coordinate measuring instrument
Surface Plate – Trimos Various Gages & Measuring Instruments
Vessel Hydro Test Equipment
Hamar 3 axis precision geometry alignment laser
PMI Tester (positive material identification) handheld
Digital Psychrometer (humidity tester)
Paint inspection, adhesion, holiday, thickness
Mag Particle
Olympus Ultrasonic Weld Examination