

Facility / Equipment List

Revised: December 22,2022

MARKSMAN METALS CO. INC.



*RIGHT ON TARGET
SINCE 1976*

*Marksman Metals Co. In
Facility / Equipment List
Revised 12/22/2022*

Facility

111,000 square feet on a 15 acre site (two buildings – Fabrication in 76,000 Building and Powder/wet paint in new 35,000 square foot building)

Production Control Systems

(1) **IBM Wintegrate 6** office and shop computer system; capabilities include the managing of shop floor labor/scheduling, documents, shipping, contacts, inventory, quality, purchasing, orders, estimating and quotes, jobs and job tracking.

(1) **EDI Interface capabilities**

(1) **Barcoding**

(1) Mitsubishi laser automation M-pack with: accufab professional version 7 automated nesting system; I-remote remote management system for Mitsubishi MSC3 FMS

Engineering

(3) Stryker-Auto Cad CAD-CAM Version 2014

(1) Pro/ENGINEER Creo Elements 5.0

(1) Solidworks 2014

(1) Hewlett-Packard Design Jet 550 C Plotter

(1) Surfcam V6

(1) NCELL AccuFab Nesting Software version 7.1

File transfer formats: DXF, IGES, STEP, Native ProE files in Solidworks

Shears

(1) Cincinnati 1810G CNC shear, 10 foot, ¼ capacity with sheet supports

(1) Wysong shear, 10 foot, 10 gauge

(1) Whitney shear, 52", 12 gauge

Lasers

(1) **Mitsubishi 3015 EX-45CF-R** Laser Cutting Machine; with **4500 watts** the laser can cut up to 1" mild steel, ½" aluminum and ¾" stainless steel. This fully automated "lights out" system includes a 4 car automated "rail car" system for storage of completed parts. Each "rail car" is capable of holding 11,000 pounds.

(1) **Mitsubishi 3015 LVP Ex-F plus 8-KW Zoom (M800)**- 40 CFX Laser Cutting Machine; with **8,000 watts** the laser can cut up to 1" mild steel, 1" aluminum and 1" stainless steel. This fully automated "lights out" system includes a 4 car automated "rail car" system for storage of completed parts. Each "rail car" is capable of holding 11,000 pounds.

(2) **Mazak Super Turbo X-48 High-Pro 2000 Watt** Laser Cutting Machine; capacity, steel 5/8", SST ¼", Alum ¼"

Turrets

(1) CNC **Vectrum 3000**, 54 station, auto indexing, Turrett Punch Press with Muratec FF 1250 cell stocker with load and unload. 33 ton.

(1) CNC **Weidemann Centrum 2000**, 22 station, auto indexing, Turrett Punch Press

(1) **Punch Sharp 1530 Turret** Punch Press I. Turret Punch Press II. Safety Beams III

Punch Press

- (1) Roper Whitney Profab 1510 CNC Hydro-Mechanical Punch Press
- (1) Boschert LB13 Digital CNC notcher, ¼" capacity
- (1) Niagara A-60 ton
- (1) Whitney Jensen Bench Press, 20 ton, 24" deep throat
- (1) Rousselle Punch Press
- (1) Rousselle Punch Press N06
- (1) Whitney Jensen Kick Press
- (1) Rousselle punch press NO6

Press Brakes

- (1) CI Maxform CNC Press Brake, Model Cincinnati 135MX10
- (2) 175MX10 ton Cincinnati Max Form CNC with 15" LCD display, forming and adaptive modes, batch program operation, air-cooled heat exchanger, tonnage control with dual strain gages, backup and restore.
- (2) Cincinnati FM II CNC 12 foot, 135 ton press brake with auto-crowning
- (4) Cincinnati Model Max Form CNC 10 foot- 90 ton Press Brake with 6" additional stroke, autocrown (programmable), black max presence sensing device, 24" CNC 5 axis backage, 10' narrow filler block and power clamp upper, offline programming in CAD model.
- (1) Chicago press brake, 10 foot, 90 ton, hydraulic and mechanical
- (1) US Amada FBD 8025 CNC Fine Bender, 8 foot, 80 ton press brake with NC9-EX II Controller, and quick change precision ground tooling
- (2) Accupress 7606 CNC Press Brake, 6 foot, 60 ton
- (1) Diacro Press Brake, 6 foot, 34 ton with DRC Numerical controlled back gauge, hydraulic and mechanical.
- (1) Diacro Press Brake, 4 foot, 17 ton

Hardware Installation

- (2) "Auto-Sert" A.S. 7.5 ton Automatic Programmable hardware press
- (1) Haeger Model HP-6 digitally controlled hardware press
- (1) Profab hardware press
- (1) AS 10-36-00 Auto-Sert Hydraulic Insertion Press 10 Ton-36" Throat

Saw

- (1) Peerless HB1018S Swivel Saw with variable speed and quick positioning vise
- (1) Wells cut-off saw
- (1) Titan G band saw
- (1) Grob vertical band saw

Spotwelding

- (1) Sciaky 150 KVA 3 phase spotwelder (3/16" alum cap) certifiable to mill spec 6858
- (1) Acme 35 KVA spotwelder
- (1) Peer 65 KVA spotwelder
- (1) Spotweld 100 KVA
- (1) Rex Spotwelder
- (1) Lors 50 KVA butt welder, 11/16 dia rod maximum

Welding

- (1) TST 3000 Pulse MIG Pwt
- (1) Transsteel Pulse 4000 MV
- (1) Lincoln FabPak XFT 3600 mm 450 Amp Robotic Welder
- (4) Miller 350 amp syncrowave TIG welder
- (5) Miller wire feed welders, 300 amp
- (1) Miller Deltaweld wire feed 452, 400 amp
- (6) Miller matic 350P 2x 350 amp with pulse
- (4) Miller CP-302 300 amp 2x
- (2) Miller Syncrowave 350 LX (tig) with pulse 2x
- (10) Miller Syncrowave 250 DX tig 1x
- (1) Farr Gold Series smoke and fume filtration system

Finishing Equipment

- (1) Carborendum straightliner stroke-sander
- (1) 36" Timesaver belt deburring machine with parts washer and dryer
- (1) 36" Metal finish timesaver deburring machine
- (1) Timesaver PV5.0, 5 cubic foot vibratory tumbler
- (4) Milwaukee 7" electric grinders
- (16) Chicago pneumatic air grinders
- (2) Chicago pneumatic vibratory grinders
- (1) Rockwell belt disk grinder
- (1) Oakley belt sander 345 ¾"
- (1) Vibratory Finishing Machine (VT-VTG-5024) 7 Cubic Feet

Material Handling

- (1) Toyota 7700 Lbs forklift
- (1) Mitsubishi forklift 5000 Lbs capacity model FGC25
- (1) Clark 5000 Lb capacity reach truck
- (1) Nissan forklift 3500 Lbs capacity
- (1) Blue giant 5500 Lb 27" x 72" pallet jack
- (1) Toyota 5,000 Lb pneumatic

Miscellaneous

- (1) Montgomery Roller, 5 foot long, complete with air drop end and remote control
- (1) Advance HR 2800 floor scrubber
- (1) Quincy model 235 air compressor, 60 HP, with air dryer
- (1) Quincy model 124 air compressor, 25 HP
- (2) 80" Semi-Auto Str Wrap Machine
- (1) Stretch Wrap Ramp 46X48X3"
- (1) Quincy 60 Horse Air Compressor
- (1) Quincy 100 Horse Air Compressor (Paint Shop)

Machining Equipment List

- (2) HAAS VF-4SS, 50" x 20" x 25" Machining Centers
- (2) Sharp TMV Vertical Turret Milling Machine
- (1) Clausing lathe, 4 foot, 15" swing
- (1) Bridgeport milling machines
- (2) Clausing drill presses with variable speed
- (1) Set of 4 Delta Adjustable Gang drills with tapping heads
- (1) Acer- fully automatic surface grinder

Certified Inspection Equipment

- (1) **Romer Hexagon Metrology Portable CMM**
- (1) **Fabri-vision 40" x 70"**
- (2) True stone granette surface plates 24" x 36"
- (1) Mitutoyo dogmatic height gauge
- (1) Set pin gauges .011 to 1.000
- (1) H.D.T. 0-80" Vernier caliper
- (2) 12" Fowler caliper
- (1) Kanon 40" caliper
- (1) MHC 40" caliper
- (1) Aerospace caliper 40"
- (2) Brown and Sharpe micrometers, 0-1, 1-2", 2-3"
- (2) Brown and Sharpe combination square 12"
- (5) Starrett scales- 48", 72"
- (1) Helios depth mike 0-4.00"
- (1) Set Do All Joe blocks .020-4.00"
- (2) Complete set of thread gauges, 4-40 through ¼ - 18 and 1-2 – 13M-3.5 through M -16
- (1) Set radius gauges, 1/32" through ½" by 1/32" and .500 to 1"
- (1) Master square 18"
- (2) Right angle plates
- (2) Starrett protractors
- (1) Finish thickness micro gauge
- (2) Starrett U-blocks and clamps
- (1) Fowler surface roughness standards comparator
- (8) Starrett 1", 2", 3" blocks
- (1) "Quick check" rock-well standard hardness tester
- (1) Four-piece square set
- (1) Fowler digital protractor
- (1) Weld fillet gauges
- (1) Scale Lope
- (1) Internal Dial Caliper 1.875 to 2.875
- (1) Internal Dial Caliper 1.125 to 2.125
- (1) Internal Dial Caliper .375 to 1.375
- (1) 1 Inch Blade Mic.

- (4) Torque Wrenches
- (29) Ring Gauges
- (1) Pin Mic.
- (1) Starrett inside Mic.

Inspection Test Equipment for Testing Paint

- (1) Micro gloss meter 60
- (1) Cross hatch
- (1) 345 digital coating thickness gauge
- (1) Chemical analysis lab for paint shop
- (1) 160 Lbs impact tester
- (1) Conical Mandrel Bending Tester
- (1) Pencil Tester
- (1) RM200 QC Colormeter

Paint Shop

New 35,000 square foot facility – facility operating since 2015

Automated Powder Paint line (Midwest Finishing System)

1,008 feet Long / 103 Feet Long 5 stage wash RoHS compliant

Part size 3 feet wide x 6 feet tall x 10 feet long

Handles 10,000 Lbs per hour painted product

Gema auto and manual powder application guns

Gema powder booth

Batch powder paint capabilities

Col-Met powder booth 10 ft x 10 ft x 20 ft

Wash Bay 18 ft x 12 ft x 28 ft

Col-Met oven 10 ft x 10 ft x 20 ft

Gema OptiFlex powder application guns

Wet Paint capabilities 6 ft x 6 ft x 8 ft

We spray all types of liquid finishes including water-base, oil-base, epoxies, acrylics and enamels.

We also offer a complete **powder-coat paint system** for both smooth and textured surfaces.

With many stock and off-the-shelf paints available along with customer color mixing, we can service all types of paint application.

Paint Shop Equipment List

- (1) 10 ft x 12 ft (Liquid) Binks spray booths
- (1) Gema volstatic MPS 1-b powder coat system
- (1) 7'x11" Wisconsin oven
- (1) Atlas 5-way Vacu-Lite silkscreen exposure unit
- (3) Gema box feed powder spray unit
- (1) Raytek St noncontact thermometer
- (1) Col-Met 10 ft x 10 ft x 20 ft batch powder oven
- (1) Col-Met 16 ft x 12 ft x 26 ft powder booth
- (1) Hydro Tech PRO pressure washer (Iron Phosphate)
- (1) 19 ft x 12 ft x 26 ft Wash Bay
- (3) Opti-Flex dual manual box units (Gema)
- (1) 10 Gun Opti-Flex automatic application package (Gema)

Delivery Trucks

(1) 2007 International 33,000 GVWs with 28 foot box

(1) 2008 International 26,000 GVWs with 28 foot box

(1) 2019 International 26,000 GVWs with 28 foot box