

World-Class Facility
Broad Array of Innovative Services





Who we are

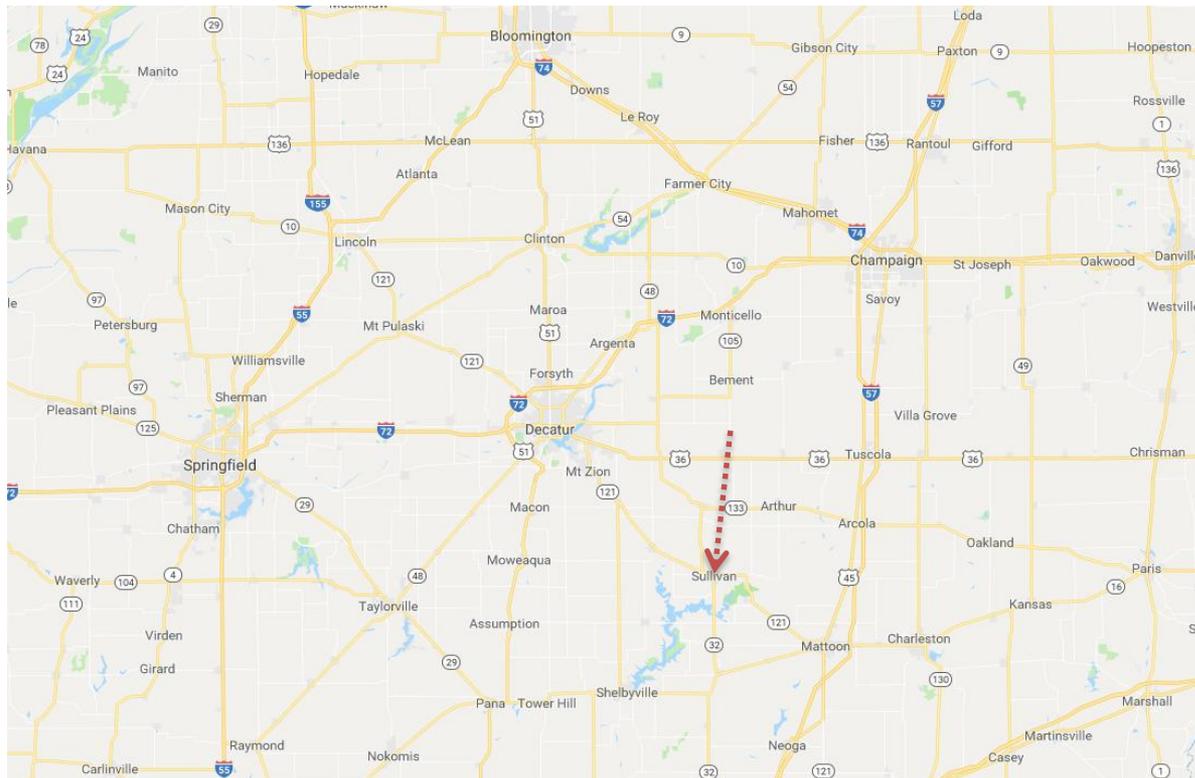
- *AF Holding Co.*, parent company to Agri-Fab Inc., Hydro-Gear, Clark Pulley, and American Select Tubing
- *Agri-Fab* is the leading producer of tractor attachments and provides OEM contract components and whole goods
- Hydro-Gear has an 80% market share in hydrostatic transaxle riding tractors
- Clark Pulley is the largest pulley manufacturer in the lawn & garden industry
- American Select Tubing specializing in the manufacture and sale of handles to the broom, brush, and mop industry





Who we are

A-F Manufacturing is a Division of Agri-Fab Inc., a wholly owned subsidiary of A-F Holding, located in East Central Illinois in Sullivan, Illinois





Who we are

AF Manufacturing provides you world-class manufacturing solutions, excellent quality and best in class delivery, which strategically aligns with our customer business models





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Fabrication



Our arsenal of punch and form presses can handle a variety of needs.

Here you see our 400 ton CNC hydraulic presses with programmable ram stroke and ram speed handling jobs requiring up to 86 inches of stroke.



Fabrication...Punch Press Range



Tonnage range:
32 ton up to 600 ton

Shut height:
7" up to 44"

Ram stroke:
6" up to 17"

Feed length:
2" up to 86"

Bed size range:
15" x 24" up to 96" x 54"



Fabrication



We have a wide variety of press brakes to meet your needs. Our CNC press brakes handle parts with multiple bends easily and efficiently.



Fabrication





Machining



We pride ourselves in precision machining.

AF Manufacturing can accommodate projects that require work areas up to 22 inches cubed.

When accuracy is crucial, you can trust that AF Manufacturing will maintain precision on a large range of parts.



Machining...Equipment



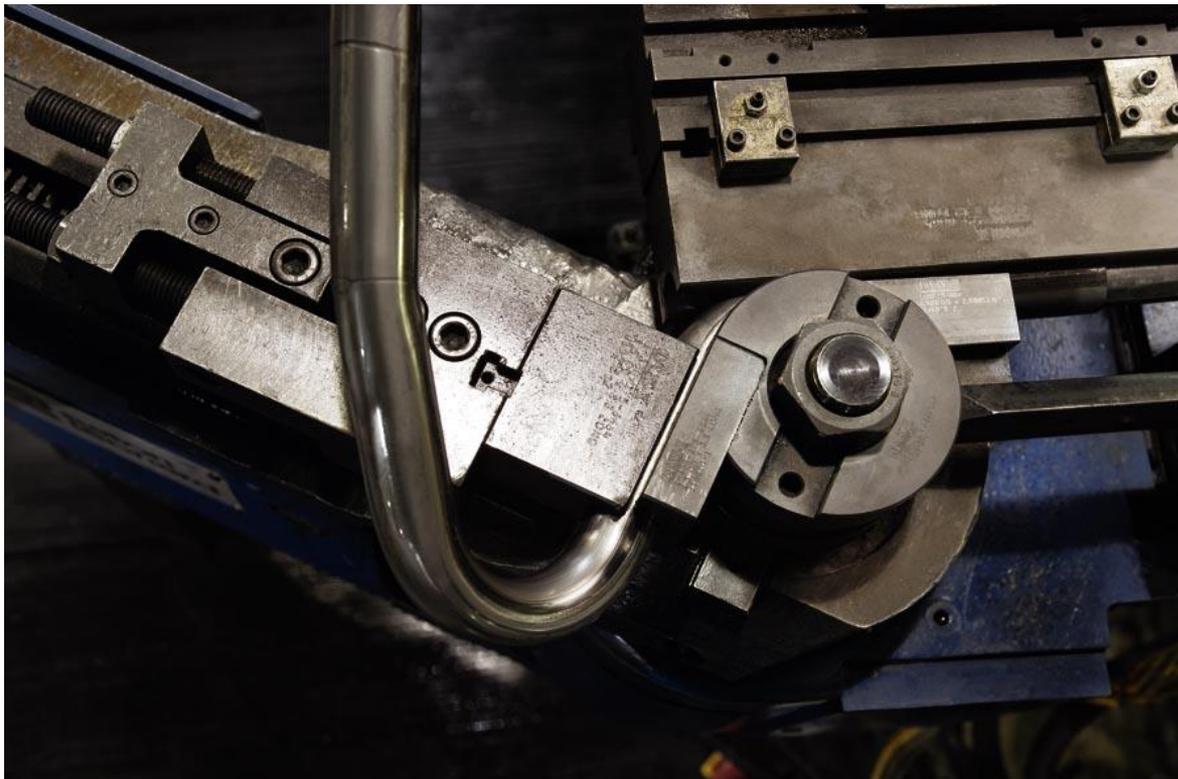
2 Vertical machine centers
Table Capacity: 1,760 lbs.
Table Dimensions: 57" x 20"

3 Machine Cut-Offs
Up to 3" capacity
Up to 24' bar feeder

4 Lathes
Up to 2.5" capacity
Up to 12' bar feeder



Machining...Tube Bending



5 Benders

- One electric push
- Bend up to 3" diameter machine capable
- +/- .5° bending precision
- CNC controls
- Capacity to 2" OD @ 4" CLR

2 Swagers

- Swage up to 1.75" diameter, 14 ga.
- Programmable CNC controls
- Large assortment of tooling in stock



Laser Cutting



Our laser was designed and engineered to be reliable and cost effective. Coupled with the Tekmag automatic storage system, this allows AF Manufacturing to achieve world-class manufacturing, excellent quality, and best in class delivery.



Laser...Capacity

Laser Wattage:
6000 watt Fiber Laser



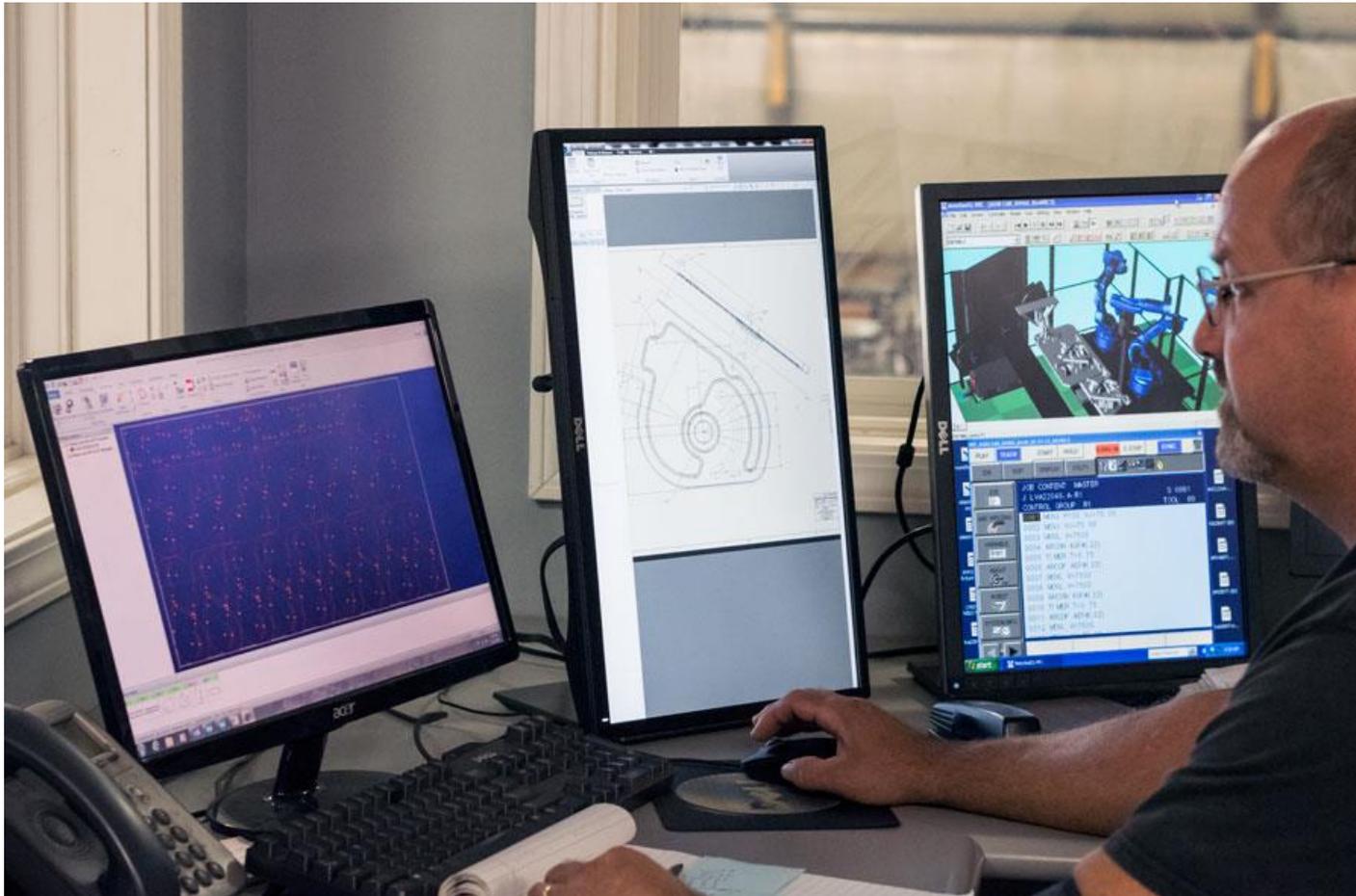
Table size:
Accommodates up to
60" wide x 120" long
sheet of steel on two
machines and 78" wide
x 157" long on one
machine

Cut ability:
.375" thick that is mild
steel to stainless steel

Extensible
Manufacturing Cell:
Enables AF
Manufacturing to
increase speed,
improve consistency,
and extend capacity.



Laser



Laser programmer nests cut components on a sheet of steel to limit steel waste and maximize component output.



Laser



Nitrogen is used for cutting components from the laser.

Why –

1. No oxidized edges, which allows paint and powder coatings to adhere to cut edges.
2. Nitrogen-cut parts that are welded together stand-up to a bend test.
3. Stainless steel does not lose its corrosion-resistance properties.



Welding



No matter your welding needs, we have the ability to see your job through

From spot welding to MIG and TIG capabilities up to 2,000 lbs.
length and width would be limited by shipping requirements

Welding...Robotic Capacity



8 Small Robotic Stations

Table Capacity: 400 lbs.

Table Dimensions: 28" x 30"

8 Large Dual Head Stock Robotic Stations

Table Capacity: 1,650 lbs.

Table Dimensions: 51" x 117"

Seam Tracking Capacity

We have onsite programmers to prevent downtime and limit start up issues onsite



Welding...Manual Capacity



12 Manual Weld Station
Primarily gas metal arc welding
GMAW MIG



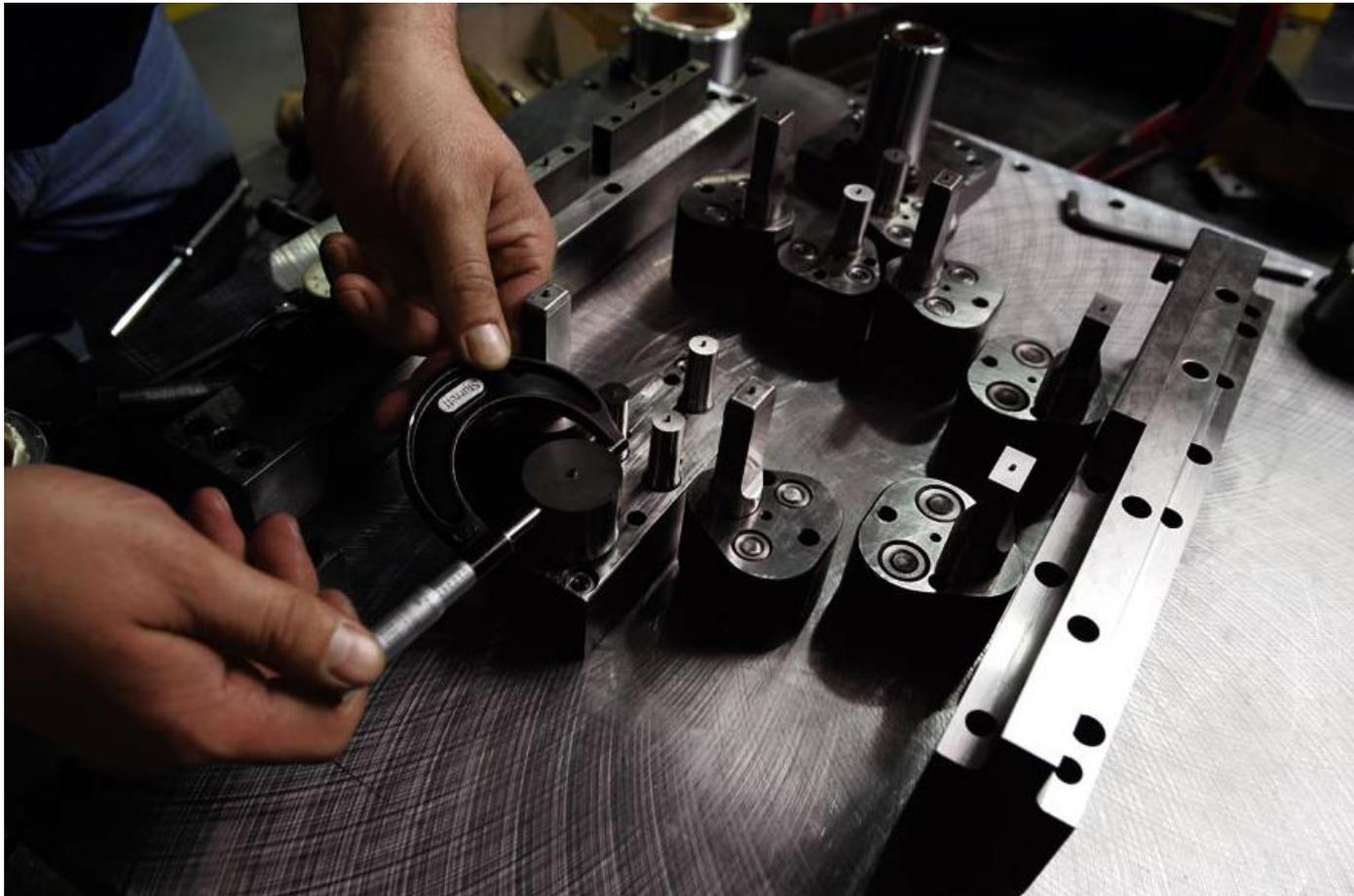
Tooling



Our in-house tool & die department maintains strict standards to produce your unique tools & fixtures with accuracy and precision while keeping cost low.



Tooling



Our tooling & die department designs and builds quality, low maintenance tools that range from simple hand transfer dies to progressive complete dies, manual and robotic weld fixtures, check fixtures, assembly fixtures and repair tools.

We have the capability to cryogenically treat tools, which improves wear resistance and reduces stress on the tool.

Product Design & Prototyping



We can manufacture to your exact specifications or help with product design and process enhancements that can improve manufacturability. Our engineering staff uses the latest CAD and technical illustrative software to help prevent or solve design problems.

Services include:

- Prototype development and manufacturing
- General product testing
- Result analysis



Paint



Our powder coating systems apply a finish more durable and chip resistant than traditional wet paint application. Two conveyors carry the parts through several processes, starting with a wash system that ensures optimum part preparation.



Painting

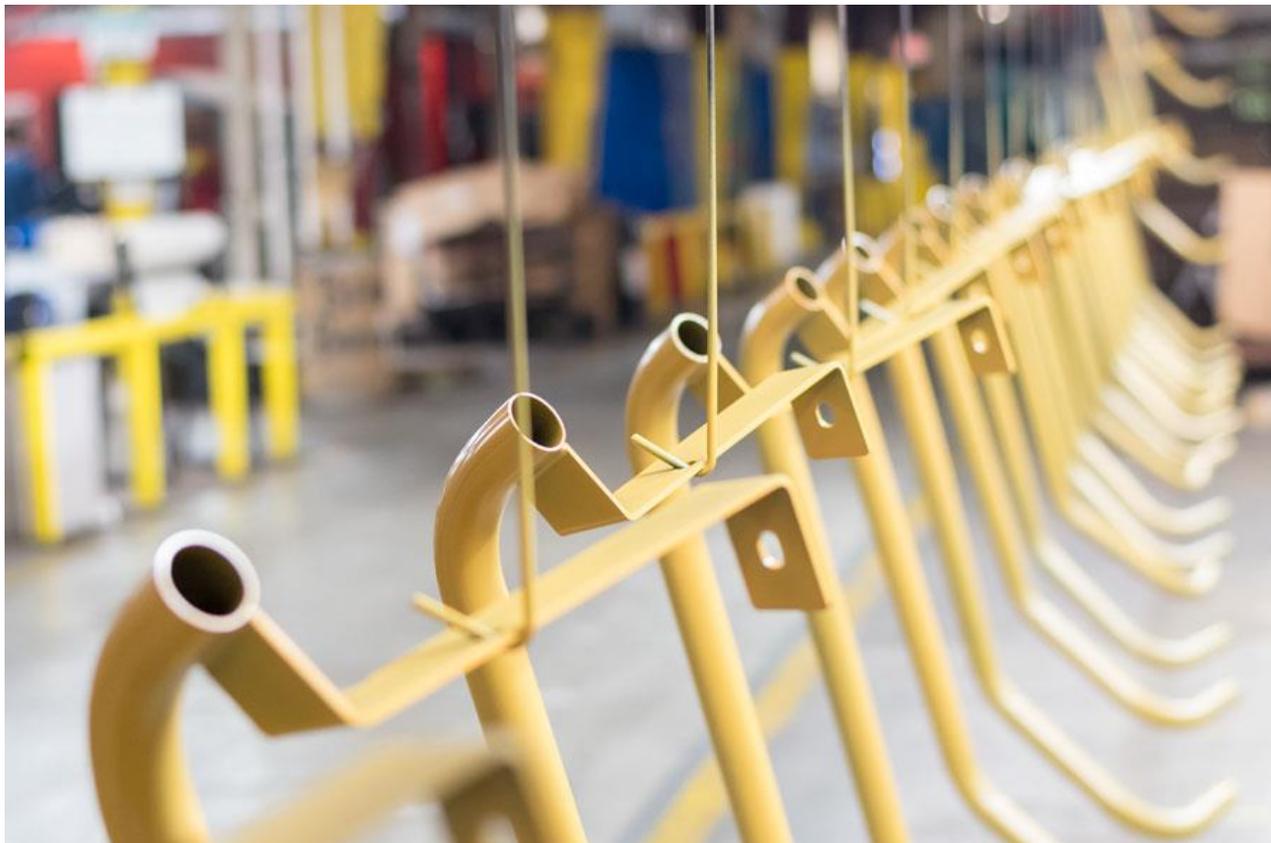


Gema powder booth allows more color variety options due to the smaller quantity of raw powder needed to operate the booth.

Two powder coating lines provide flexibility in capacity planning.



Paint



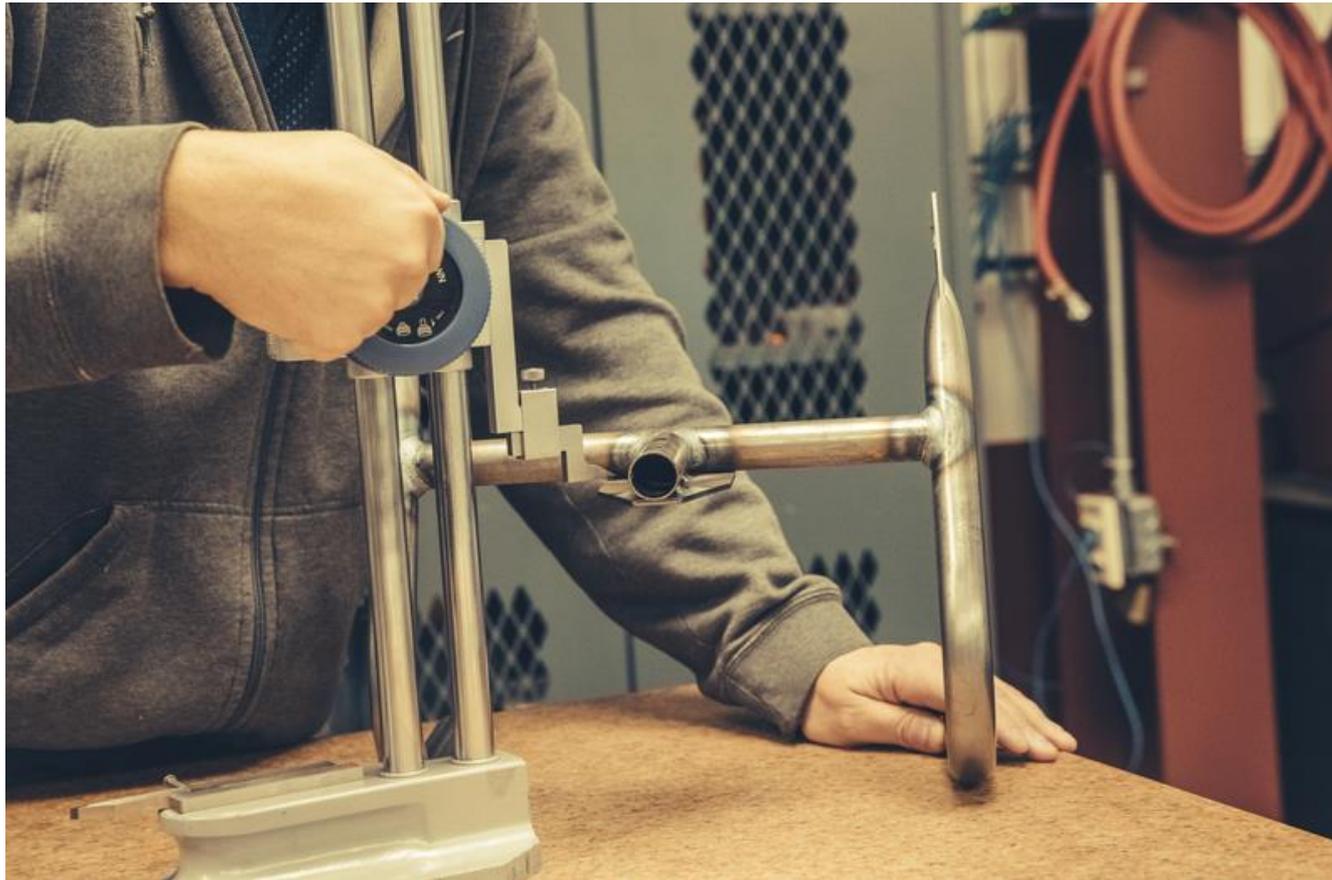
Paint finish...

Non-phosphate surface pre-treatment of zirconic acid transitional metal provides for corrosion protection that has passed the following testing:

- 504 hour salt spray
- 504 hour humidity resistance
- 20 cycle corrosion resistance



Quality



To ensure quality assurance and production efficiency in manufacturing, we offer vendor certifications and audit programs, maintain certification and test reports to assure traceability, and routinely calibrate all measuring and test tools. In addition, on-site auditors assemble products daily to ensure fit and quality. Products are always final inspected prior to delivery.



Quality

Our Quality department strives for customer satisfaction both internally and externally and is dedicated to continuous improvement.

Software used:

- PC-DMIS on 2 CMMs
- Win-SPC Statistical Software



Quality



Hardware used by our Quality Control Department

Brown & Sharpe Global Advantage 9.15.10 CMM
Brown & Sharpe Global Advantage 9.12.8 CMM
Virtek LaserQC w/48" x 48" scan table
Romer 7525SI 7 axis SI Absolute Measuring Arm with integral laser scanner
Wilson/Rockwell Digital Hard Hardness Testers
Starrett Sigma HE400 14" Optical Comparator
TorqueMate 200 Torque Tester Range 5-100 FT. LBS
Raytech Measuring Table 0-48"
Raytech Measuring Table 0-60"
Olympus SZ60 Stereo Microscope
Imada Pull Tester 44 LB. X 0.01 LB.
Gage Block set
Pin Gage set .011-1.0 in.
Positector 6000 Coating Thickness Gage
Various internal/external Thread Gages
Height Gage
Radius Gage
Various Mitutoyo Calipers/Micrometers/General Inspection Tools
Mils Gauges





Assembly & Packaging



From single items to mass production, we are setup and prepared for your needs.



Warehousing, Distribution & Delivery



Centralized shipping point to serve our domestic and international customers.





Thank you



AF Manufacturing is dedicated to providing you the best possible service available. In fact, we want to conduct our business with you the way we would like to be treated when we are the customer. We appreciate your interest in our processes and in our company.

We'll strive to give you the most dependable and innovative service & products available.

