

# Precision Machined & Cold Headed Fasteners

- Wide variety of stock and custom fasteners, to any volume
- Industry-specific NAS fasteners
- ISO 9001 & AS9100 certified



**MW Components**  
Fasteners

# The MW Components Difference

## Get to Market Faster

Take advantage of our in-house experts' design for manufacturability skills to improve your part's performance while reducing production time and cost.

- » Prototyping
- » Millions of standard parts in-stock
- » Quick turn manufacturing and JIT delivery

## Optimize Your Design

Use our inventory and established processes to get your product to market faster. We ship stock parts the same-day and can expedite custom orders to support R&D and full-scale production.

- » 100+ engineers
- » 4,000+ manufacturing experts
- » Reduce unnecessary costs and time

## Simplify Your Processes

Streamline your supply chain and safeguard your production. With 20+ locations nationwide and financial stability, we have the capacity and security to support your projects.

- » One-stop shop for components
- » Concierge-level service and inventory management
- » USA-made, private equity funded

# ➤ MW Components Products - Stock, Standard, and Custom

## Springs



Coiled, flat, and machined springs (including compression, extension, and torsion springs)

## Fasteners



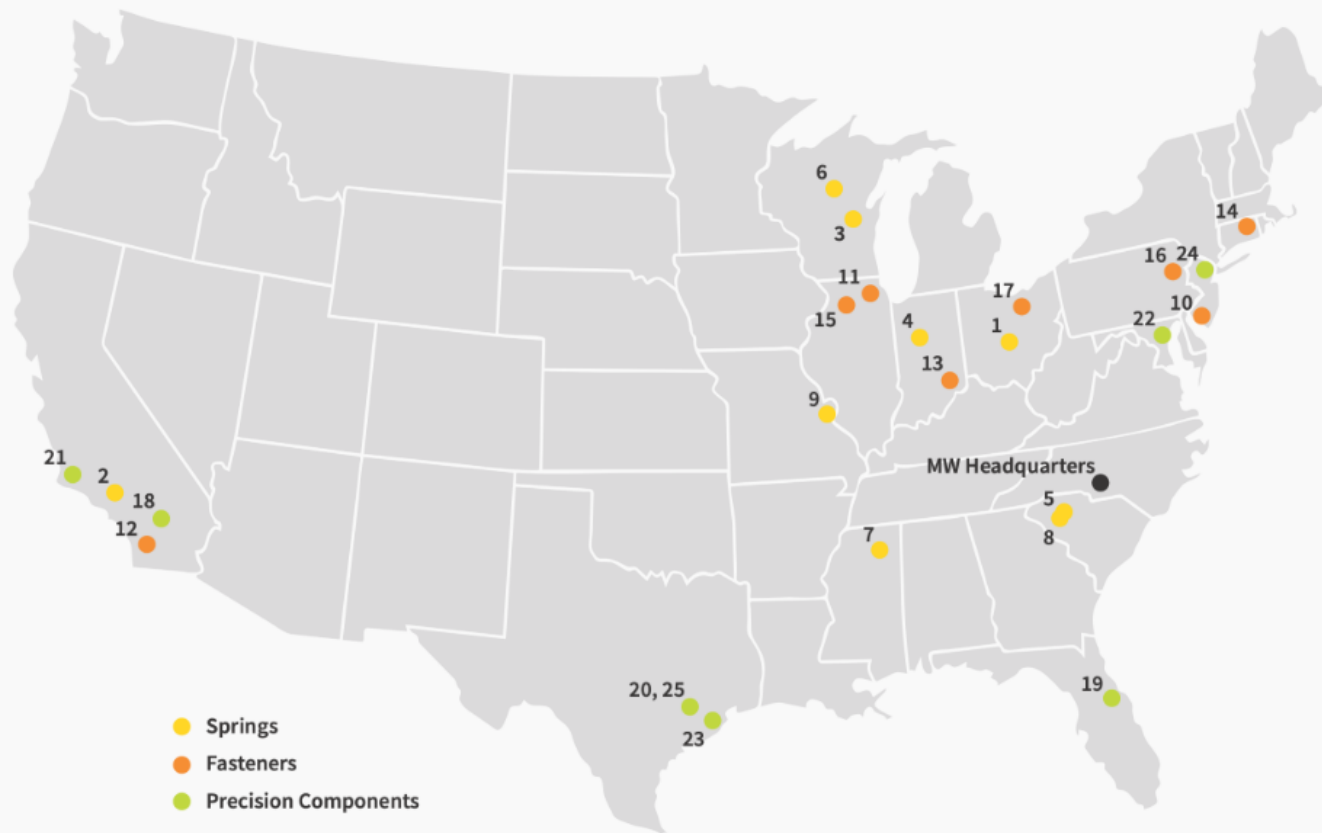
Nuts, bolts, screws, rivets, cotter pins, threaded inserts, bushings, studs, and washers

## Precision Components



Metal bellows, shims, wire forms, electrical contacts, electroforms, pins, and couplings

## 25+ Manufacturing Locations Across the US



## The World's Largest Range of Precision Components

### Springs

- 1 Capital Spring
- 2 Century Spring
- 3 Fox Valley Spring
- 4 Matthew Warren Spring
- 5 MW Components: Greer
- 6 Northern Wire
- 7 Pontotoc Spring
- 8 Springmasters
- 9 Western Wire Products

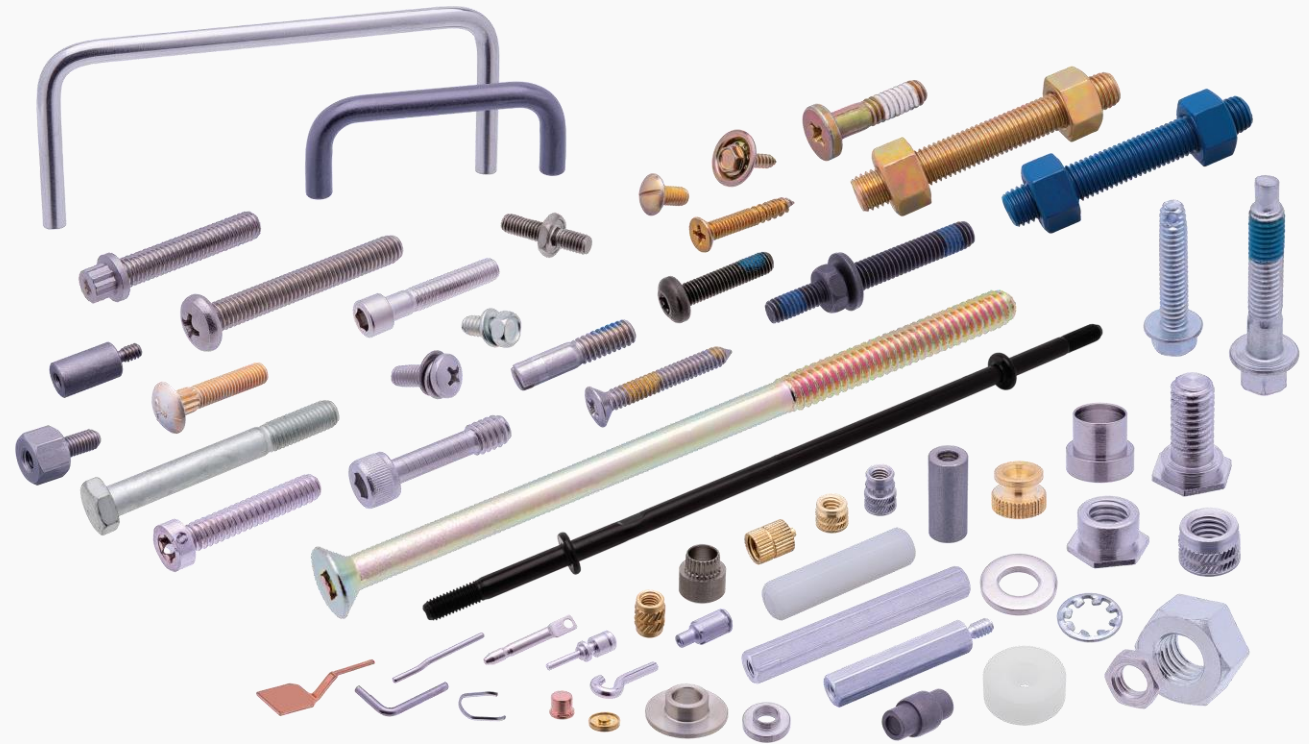
### Fasteners

- 10 Accurate Screw Machine
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- 13 Ohio Rod Products
- 14 RAF Electronic Hardware
- 15 Rockford Fastener
- 16 Sussex Wire
- 17 Telefast Industries

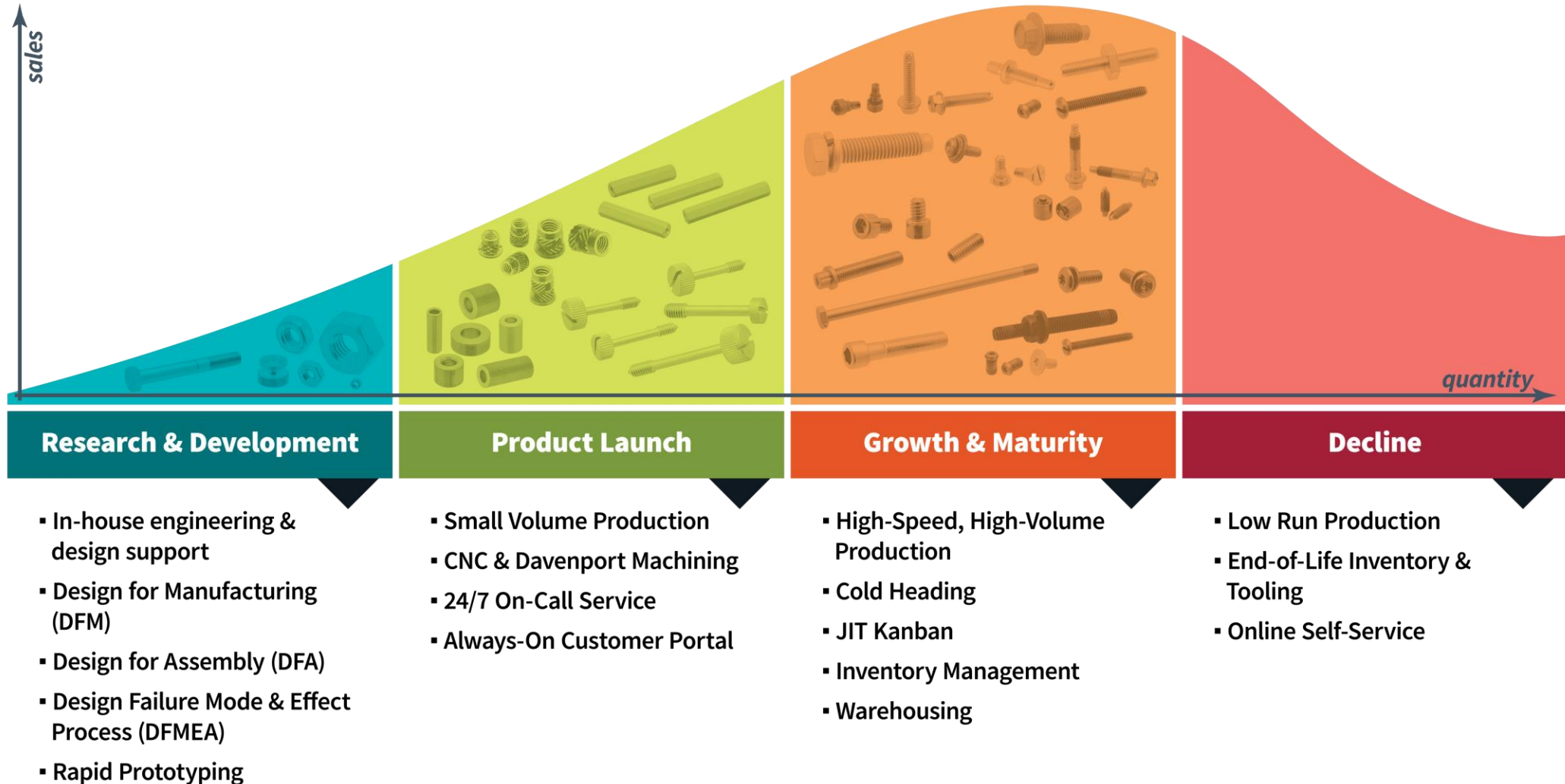
### Precision Components

- 18 Ameriflex
- 19 BellowsTech
- 20 Engineered Spring Products
- 21 Helical Products
- 22 Maryland Precision Spring
- 23 Maudlin
- 24 Servometer
- 25 USA Fastener

➤ **Your comprehensive  
solution for  
precision machined  
and cold headed  
fasteners, from  
design optimization  
to production**



# ➤ Expertise & Support At Any Point In Your Product's Lifecycle





# Extensive Network Of Fasteners Locations



**Accurate Screw Machine**



**Addison Fasteners**



**Ideal Fasteners**



**Ohio Rod Products**



**RAF Electronic Hardware**



**Rockford Fastener**



**Sussex Wire**



**Telefast Industries**



**USA Fastener**



**Western Wire**

# ➤ Fasteners Manufacturing Locations



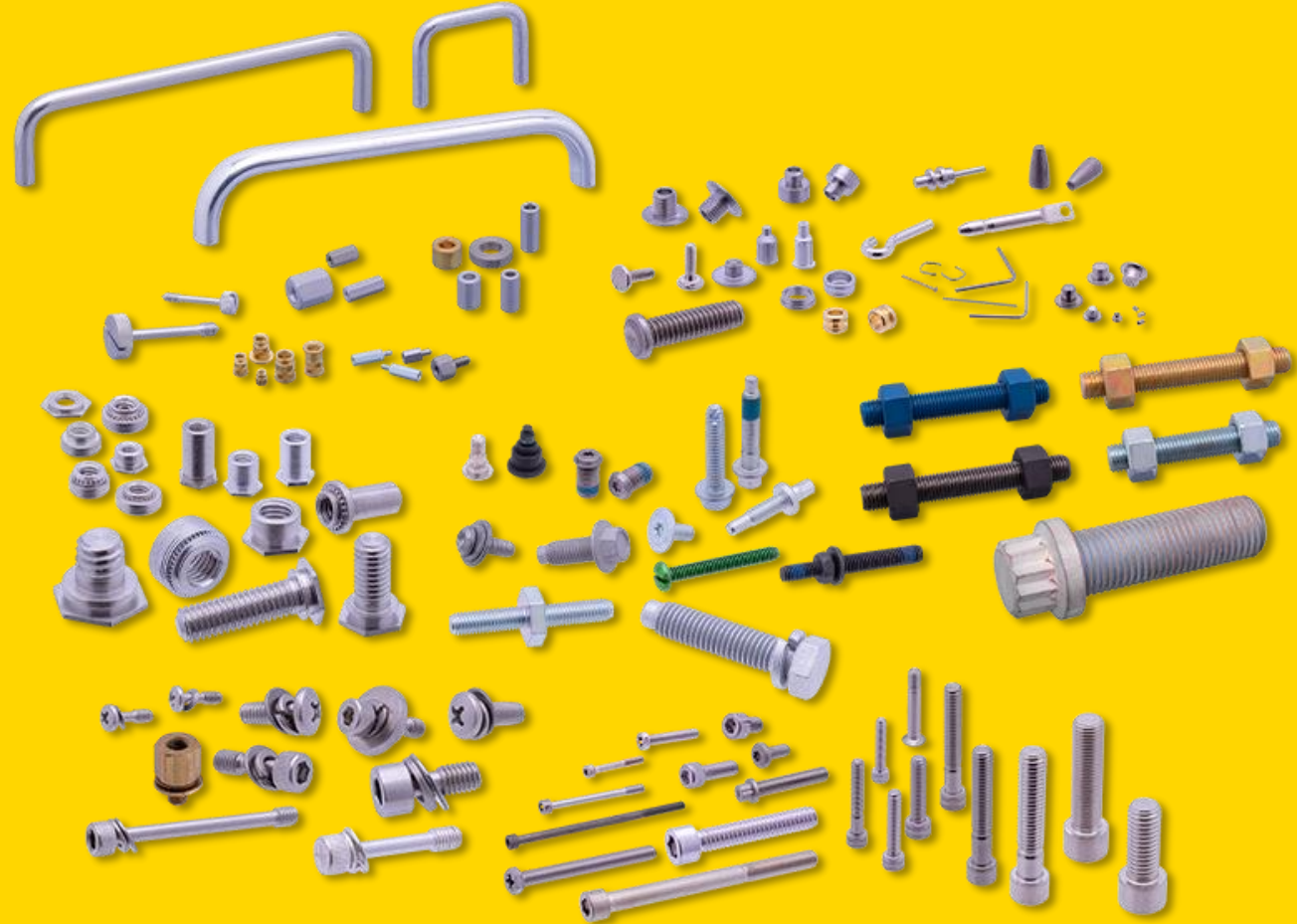
**MW Components offers one of the world's largest ranges of precision machined and cold headed fasteners through our extensive network of fasteners locations across the US.**

1. Accurate Screw Machine
2. Addison Fasteners
3. Ideal Fasteners
4. Ohio Rod Products
5. RAF Electronic Hardware
6. Rockford Fastener
7. Sussex Wire
8. Telefast Industries
9. USA Fastener
10. Western Wire



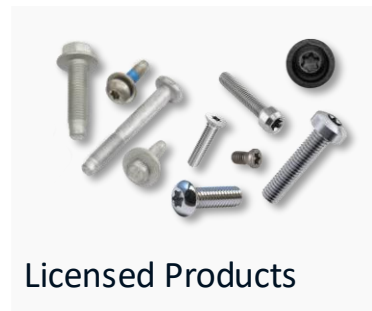
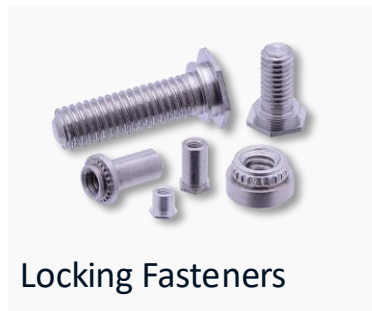
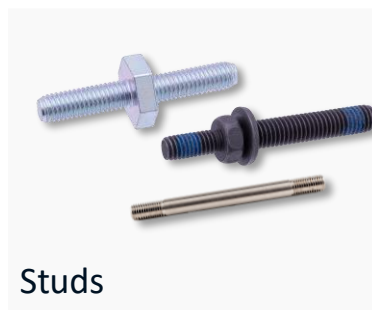
# ➤ Stock & Custom Parts Delivered When & Where You Need Them

- Stock Parts Ship Same Day
- Custom Parts Ship Within 1 Week
- Metric & Standard Sizes
- Large Selection of Heads, Threads, Lengths, ID's & OD's
- High & Low Volumes
- Quality Certifications Including ISO 9001, AS9100



# Stock & Custom Products

We manufacture a wide variety high-quality fasteners and metal components, at high and low volumes, in a range of sizes and alloys.



# ➤ Licensed Products

## Drive Types



TORX®, TORX PLUS®, ACR  
PHILLIPS II®, PHILLIPS  
SQUAR-DRIV®

## Thread Technology



LO-DRIV®, TAPTITE II®,  
DUO-TAPTITE®, PLASTITE®,  
REMFORM II®, FASTITE®

## Starting Technology



TRU-START®, MATpoint®,  
MAThread®

# ➤ Custom / Specialty Fasteners

## High-precision Custom Manufacturing To Meet Tight Tolerances

We provide custom print-to-part manufacturing using our state-of-the-art equipment, which allows for the machining of specialty materials and tight tolerances to create precisely the specialty fastener you need.

- Expert Design Support
- Cad-on-demand, 3D Images & Drawings
- Prototyping & Rapid Prototyping
- Standard, Exotic & Specialty Materials
- Finishing Services
- Print-to-part Typically In 1 Week Or Less





# ➤ In-House Engineering Services & Production Processes

## **In-house Tooling And CNC-controlled Processes To Deliver Parts To Exacting Tolerances, Every Time**

Our experienced team of experts works with you to create, refine, and optimize designs to your specific tolerances, performance requirements, and use cases.



### **Engineering Services Include:**

- CAD Modeling
- Rapid Prototyping
- Fatigue Testing
- Metallurgy
- Performance Analysis
- CAE Analysis
- 3D Printing
- Corrosion Analysis & More

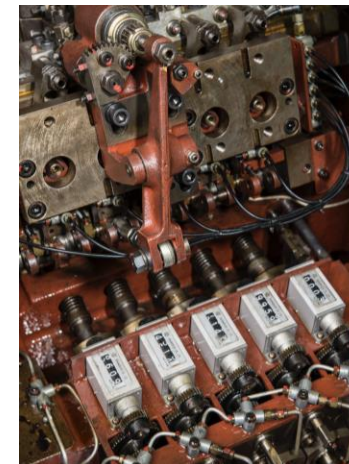
### **Production Processes Include:**

- Cold Heading / Cold Forming
- Thread Rolling
- SEMS Rolling
- Head & Shank Slotting
- Trimming
- Heat Treatment
- Hardening
- Annealing & More

# ➤ Cold Heading

**Meet Critical Functional Specifications Without Compromise To Design For Manufacture (DFM), Design For Assembly (DFA), Quality And Cost**

- Produces 90-300 Parts/Minute
- Up To 70% Cost Reduction With Low To No Scrap
- Average Time To Market, Approximately 12 Weeks
- Efficient At High Runs In The Millions Of Pieces
- Ideal For Small Metal Parts, Including Micro Electronic Components, Micro Contacts & More



# Machining

**Get Precision-machined Parts Tailored To Your Needs, Meeting High Strength, High Quality, And Precision Tolerance Specifications**

- Produces 30-40 Parts/Minute
- Zero To Low Upfront Tooling Cost
- Rapid Time To Market, Less Than 4 Weeks
- Efficient Runs Under 100,000 Pieces
- Prototyping Capabilities - Delivery In Less Than 1 Week





# Quality Certifications

## Get The Quality You Demand

Our commitment to quality runs throughout our facilities which are accredited across multiple quality management systems.



- ISO 9001
- AS9100D
- ITAR
- IATF 16949
- MIL-I-45208A
- MIL-STD-45622
- MIL-C-39029
- QSLM Class 2 & 3
- NADCAP Accredited
- ANAB Accredited
- REACH Compliant
- RoHS Compliant
- DFARS Compliant
- AMS Compliant
- FQA Compliant
- NIST Traceability
- API 14 A&D
- Prop65 Compliant



# ➤ Broad Industry Experience



- Aerospace
- Agriculture
- Automotive
- Electronics
- Heavy Construction
- Energy, Oil & Gas
- Heavy Truck & Bus
- Medical
- Defense
- Motorsports & Racing
- Power Tools
- Transportation
- Valves
- Semiconductor
- Consumer Goods

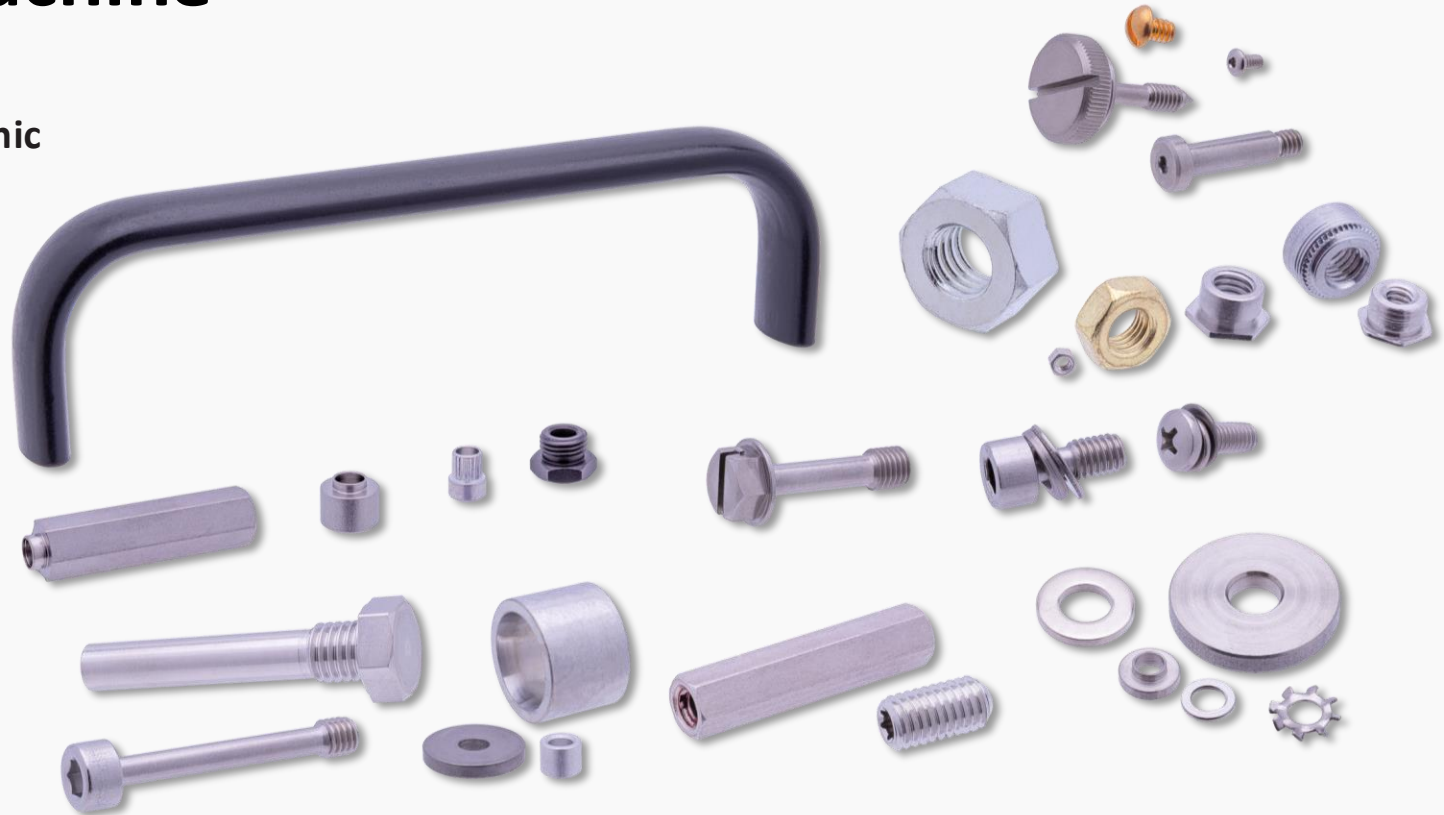


## **Fastener Products & Capabilities By Location**

# ➤ Accurate Screw Machine

**Your #1 Source for Fasteners, Electronic Hardware, and Custom Parts**

- Quote Turnaround in 24hrs
- Stock Parts Ship Same Day
- Flexible Minimum Order Quantities
- Fast Delivery Of Custom Parts
- CNC Precision Machining
- ISO 9001 & AS9100 Certified

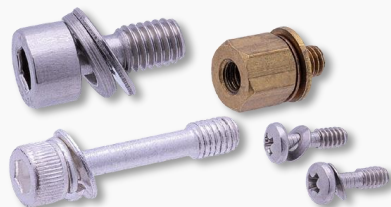


# ➤ Accurate Screw Machine Products

Screws



Captive Screws & Assemblies



Bushings / Spacers



Standoffs



Locking Fasteners



Washers



Nuts



Handles



Custom / Precision Machined



## Custom Machining

Speed and precision matter. Accurate Screw Machine's precision fastener components are tailored to your specific needs with fast delivery, including custom screws.





# Accurate Screw Machine Process Capabilities

<b>Diameters</b>	• Available in all types of diameters both US and Metric	
<b>Lengths</b>	• Available in all types of lengths both US and Metric	
<b>Materials</b>	• A286, Stainless Steel-all grades, Al, Brass, Nickel, Super Alloys, Cu, Steel (Carbon & Alloy), Exotics, Plastics	
<b>Threads</b>	• Customizable to all machined thread sizes both US and Metric	
<b>Finishes</b>	• Passivation • Anodized	• Black Ox • Chem-Film
<b>Plating</b>	• Cadmium • Chromium • Nickel	• Silver • Tin • Zinc
<b>Locking Devices</b>	• Patch & Vibra-Tite (internal/external) • Pellet	• Strip
<b>Manufacturing Processes</b>	• CNC Screw Machining • Mill/Turn • Tapping	• Sawing • Center-less Grinding
<b>Additional Processes</b>	• NADCAP • Heat Treat	• Assembly
<b>Certifications</b>	• AS9100D • ISO 9001:2015 • ITAR • DFARS	• REACH • RoHSCage Code: 51506 • Unique Entity ID (UEI): Available on SAM.gov

## Markets Served

- Aerospace
- Electronics
- Department of Defense
- Industrial
- Commercial

## Get In Touch

To order stock or custom parts, visit [accuratescrew.com](https://accuratescrew.com) or contact us at 973.244.9200 | [sales@accuratescrew.com](mailto:sales@accuratescrew.com)

# Addison Fasteners

## Highly Customizable Cold-Headed Fasteners with Fast Turnaround

- Fast Delivery Of Stock & Custom Parts
- Large Selection Of Drive Styles & Thread Types
- Licensed Parts
- Flexible Minimum Order Quantities
- Stock & Release Programs
- ISO 9001 Certified





# ➤ Addison Fasteners Products

## Screws



## Bolts & Studs



## Thread Cutting Products



## Thread Forming Products



## SEMs & Washer Assemblies



## Pins & Rivets



## Licensed Products



## Custom & Specialty Products



## Shaving & Secondary Services to Enhance Your Products



### **Largest Shaving Department In The Industry**

- Shaving Capabilities Include Pointing, Captivating, Groove, Undercut
- Drilling and Tapping, Including Through Hole, Cross Hole, Internal Drill & Tapping
- All Sizes & Materials Available
- Standard and Metric

## Custom Engineered Products

We offer custom-engineered solutions to meet your unique application requirements with precision and speed. With multiple ISO-approved sources, we ensure the highest quality for your unique designs.





# Addison Fasteners Process Capabilities

<b>Diameters</b>	<ul style="list-style-type: none"> <li>Standard: #2 – 1/2"</li> <li>Metric: M2 – M12</li> </ul>
<b>Lengths</b>	<ul style="list-style-type: none"> <li>Standard: 1/8" – 4"</li> <li>Metric: 3mm - 101mm</li> </ul>
<b>Materials</b>	<ul style="list-style-type: none"> <li>Carbon Steel: 1008, 1010, 1016, 1018, 10B21, 1022, 10B30, 1035, 1038, 1524, 1541</li> <li>Alloy Steel: 4037, 4140</li> <li>Stainless Steel: 302, 304, 316, 410, 430, A286</li> <li>Specialty: Brass, Silicon Bronze, Aluminum, Copper</li> </ul>
<b>Head Styles</b>	<ul style="list-style-type: none"> <li>Pan, Flat, Flat U/C, 100° Flat, 90° Flat, Round, Truss, Indented Hex, Indented Hex Washer, Trimmed Hex, Button, Binder, Binder U/C, Oval, Oval U/C, 100° Oval, 90° Oval, Indented Square, Trimmed Square, Custom Design</li> </ul>
<b>Drive Styles</b>	<ul style="list-style-type: none"> <li>Phillips (II), Pozi (1a), Frearson (II), Six Lobe, TORX®, Six Lobe Plus, TORX® Plus, Six Lobe w/ Pin, TORX® w/ Pin, One-Way Slotted, Triwing, Square &amp; Any Combination of These Drives</li> </ul>
<b>Manufacturing Processes</b>	<ul style="list-style-type: none"> <li>Heading (Single &amp; Multi-Die)</li> <li>Rolling (SEMs &amp; Non-SEMs)</li> <li>Roll Forming</li> <li>Slotting (Shank, End &amp; Head)</li> <li>Rotary &amp; Centerless Grinding</li> <li>Threading</li> <li>Pointing / Pinch Pointing</li> <li>Drilling</li> <li>Turning</li> <li>Shaving</li> <li>Sorting</li> <li>Trimming</li> <li>Kitting</li> </ul>
<b>Additional Services</b>	<ul style="list-style-type: none"> <li>Heat Treating (Neutral/Through, Case, Induction) &amp; Annealing</li> <li>Platings (Electroplate, Mechanical)</li> <li>Coatings/Paints (Conversion, E-Coat, Dip-Spin)</li> <li>Adhesives &amp; Patches</li> <li>Thread Sealers</li> <li>Retention Features &amp; Designs</li> <li>Over-Mold Designs</li> <li>Component Assemblies &amp; Bagging</li> <li>Stock &amp; Release Programs/Vendor Managed Inventory Available</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>ISO 9001</li> <li>ITAR</li> <li>RoHS Compliant</li> <li>REACH Compliant</li> <li>Prop65 Compliant</li> <li>Conflict Minerals</li> <li>DFARs- as requested</li> <li>PPAP and ISIR - as requested</li> </ul>

## Markets Served

- Agriculture & Turf
- Appliances & Consumer Electronics
- Automotive
- Construction
- Consumer Products
- Distribution
- Electronics
- Engine Aftermarket
- Furniture
- Heavy Truck & Bus
- HVAC
- Industrial
- Machinery
- Medical
- Metalworking
- Off-Road & Emergency Vehicles
- Oil, Gas & Energy
- Power Tools
- Plumbing

## Get In Touch

To order stock or custom parts, visit [AddisonFasteners.com](http://AddisonFasteners.com) or contact us at 847.299.1999 | [sales@mwcomponents.com](mailto:sales@mwcomponents.com)





# Ideal Fasteners

**Delivering Quality, Reliability & Service For Over 50 Years**

- Licensed Manufacturer Of TORX®, TORX Plus®, & TORQ-SET®
- NAS / MS Fasteners
- Fast Delivery Of Standard Stock & Custom Parts
- High Volume Capabilities
- ISO 9001, AS9100 & QSLM Certified



# Ideal Fasteners Process Capabilities

<b>Diameters</b>	<ul style="list-style-type: none"> <li>• 00-90 Diameter to ½ (.500) Diameter</li> <li>• M1.0 to M12 Diameter</li> </ul>
<b>Lengths</b>	<ul style="list-style-type: none"> <li>• #0 - #1 Diameter (up to 1.5 inch)</li> <li>• #2 - #3 Diameter (up to 3 inch)</li> <li>• #4 - ¼ Diameter (up to 7 inch)</li> <li>• 5/16 - ½ Diameter (up to 4 inch)</li> <li>• M1.0- M2.0 (up to 38 mm)</li> <li>• M2.2 - M2.5 (up to 76 mm)</li> <li>• M3 - M6 (up to 175 mm)</li> <li>• M8 - M12 (up to 100 mm)</li> </ul>
<b>Materials</b>	<div>Stainless Steel</div> <ul style="list-style-type: none"> <li>• 302hq (UNS S30430)/S30433)</li> <li>• 316/316L (UNSS31600/S31603)</li> <li>• 304/304L (UNS S30400/S30403)</li> </ul> <div>Alloy Steel</div> <ul style="list-style-type: none"> <li>• 8740 (UNS G87400)</li> <li>• 4037 (UNS G40370)</li> </ul>
<b>Specialty Materials</b>	<ul style="list-style-type: none"> <li>• 410 (UNS S41000)</li> <li>• A286 (UNS S66286)</li> <li>• Monel 400 / K500 (UNSN04400/N05500)</li> <li>• 17.4PH (UNS 17400)</li> <li>• Aluminum 2024 / 6061 / 7075</li> <li>• Brass (70/30)</li> <li>• Inconel 718 (UNS N07718)</li> </ul>
<b>Manufacturing Services</b>	<ul style="list-style-type: none"> <li>• Machining</li> <li>• Cold Forming</li> <li>• Coatings &amp; Surface Treatments</li> <li>• Component Sourcing &amp; Supply</li> <li>• Performance Analysis &amp; Testing</li> <li>• Quick Turnaround Service/JIT Delivery</li> <li>• Prototyping &amp; Rapid Prototyping</li> <li>• Drilling</li> <li>• Mag Particle/Magnafluxing</li> <li>• Laser Engraving</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>• AS9100D</li> <li>• ISO 9001</li> <li>• NADCAP Accredited</li> <li>• QSLM Class 2&amp;3</li> <li>• FQA Compliant</li> <li>• ANAB Accredited</li> </ul>

## Markets Served

- Aerospace
- Defense
- Medical
- Commercial

## Get In Touch

To order stock or custom parts, visit [idealfasteners.com](http://idealfasteners.com) or contact us at 714.630.7840 | [sales@mwcomponents.com](mailto:sales@mwcomponents.com)

# Ohio Rod Products

## Narrow-Diameter & Long-Length Fasteners

- Diameters Through 5/8"
- Lengths Up to 86"
- Quick Turnaround
- ISO 9001 & FQA Compliant
- Accredited ISO 7025/A2LA Testing Laboratory



# Ohio Rod Products Process Capabilities

<b>Products</b>	<ul style="list-style-type: none"> <li>• All Thread Rods</li> <li>• Bolts</li> <li>• Screws</li> </ul>	<ul style="list-style-type: none"> <li>• Rivets</li> <li>• Studs</li> <li>• Washers</li> </ul>	<ul style="list-style-type: none"> <li>• Cold Formed Pins</li> <li>• Licensed Products</li> </ul>
<b>Diameters</b>	<ul style="list-style-type: none"> <li>• #2 Diameter to 5/8" Diameter</li> </ul>		<ul style="list-style-type: none"> <li>• M2.5 to M16 Diameter</li> </ul>
<b>Lengths</b>	<ul style="list-style-type: none"> <li>• 2.85" – 86"</li> </ul>		<ul style="list-style-type: none"> <li>• 73 – 24.38.4mm</li> </ul>
<b>Materials</b>	<ul style="list-style-type: none"> <li>• Low Carbon Steel</li> <li>• Bronze</li> <li>• Brass</li> </ul>		<ul style="list-style-type: none"> <li>• Aluminum 6061</li> <li>• Aluminum 5056</li> <li>• Stainless: 302, 304, 401</li> </ul>
<b>Finishes</b>	<ul style="list-style-type: none"> <li>• Pre-Galvanized</li> <li>• Hot Dip Galvanized</li> <li>• Zinc – Clear Trivalent</li> <li>• Zinc – Yellow Trivalent</li> <li>• Wax Zinc</li> <li>• Nickel Clear</li> <li>• Zinc Nickel Black</li> <li>• Zinc Olive Green</li> </ul>		<ul style="list-style-type: none"> <li>• E-Coat</li> <li>• Dry Phosphate Wash</li> <li>• Iron Phosphate Tumble</li> <li>• Organic Phosphate</li> <li>• Passivation Phosphate &amp; Oil</li> <li>• Phosphate &amp; Wax Patches</li> <li>• Black Oxide &amp; Magnigard</li> </ul>
<b>Manufacturing Services</b>	<ul style="list-style-type: none"> <li>• Rolling</li> <li>• Extruding</li> <li>• Chamfering</li> <li>• Slotting</li> <li>• Knurling</li> <li>• Pointing</li> </ul>	<ul style="list-style-type: none"> <li>• Drilling</li> <li>• Bending</li> <li>• Winging</li> <li>• Plating</li> <li>• Lathe</li> <li>• Shaving</li> </ul>	<ul style="list-style-type: none"> <li>• Case Hardening</li> <li>• Roll Chamfering</li> <li>• Heat Treating</li> <li>• Plating</li> <li>• Packaging</li> <li>• Trimming</li> <li>• Stocking</li> <li>• CNC milling</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>• ISO 9001</li> <li>• FQA Compliant Fasteners</li> </ul>		<ul style="list-style-type: none"> <li>• Accredited ISO 7025/A2LA Testing Laboratory</li> </ul>

## Markets Served

- Agriculture
- Construction
- Medical
- Appliances
- Conveyors
- Military
- Automotive
- Electric Motors & Pumps
- Shipbuilding
- Cable & Wire Reels
- Energy
- Recreation
- Compressors
- Lawn & Garden

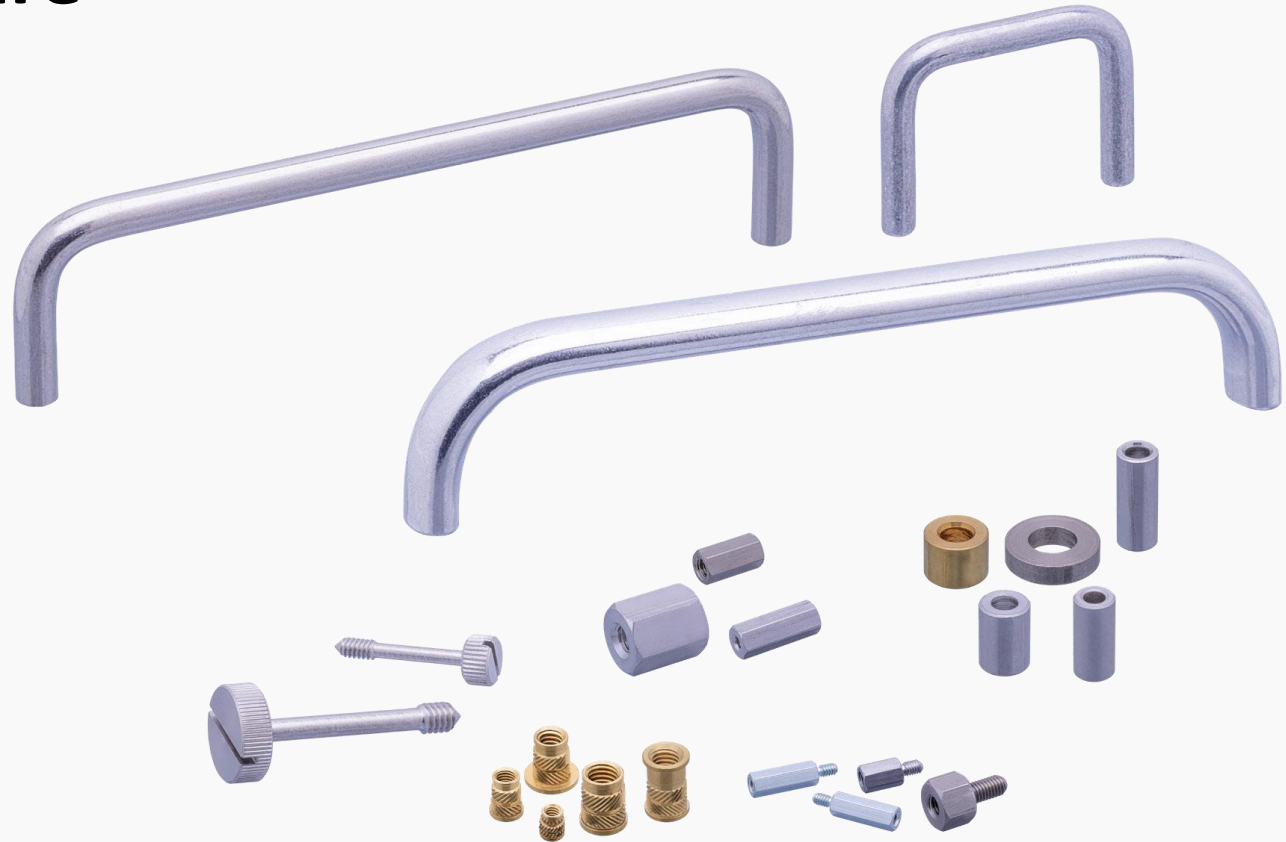
## Get In Touch

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# ➤ RAF Electronic Hardware

## Electronic Hardware & CNC Precision Turned Components

- Stock Parts Ship Same Day
- Fast Delivery Of Custom Parts
- NAS Fasteners & Hardware
- Small Minimum Order Quantities
- High Volume Capabilities
- ISO 9001 Certified



# ➤ RAF Electronic Hardware Products

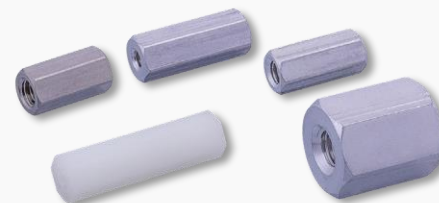
Captive Panel Screws



Spacers



Standoffs



Jack Screws



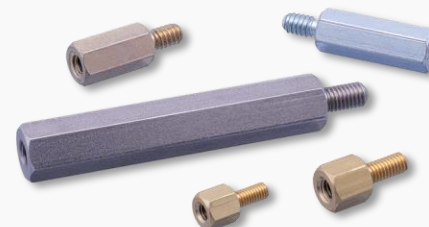
Precision Shoulder Screws



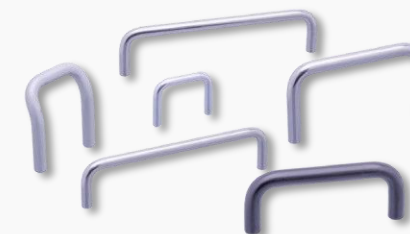
Thumb Screws



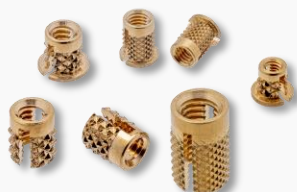
Male-Female Standoffs



Handles & Ferrules



Threaded Inserts



NAS Fasteners



CNC Precision Machined Parts



Custom Design Products





# RAF Electronic Hardware Process Capabilities

<b>Diameters</b>	<ul style="list-style-type: none"><li>• Stock Parts in US and Metric</li></ul>	<ul style="list-style-type: none"><li>• Custom Parts .020 – 1"</li></ul>
<b>Lengths</b>	<ul style="list-style-type: none"><li>• Stock Parts in US and Metric</li></ul>	<ul style="list-style-type: none"><li>• Custom Parts Up to 4"</li></ul>
<b>Materials</b>	<ul style="list-style-type: none"><li>• A286, Stainless Steels, Aluminum, Brass, High Nickel Alloys, Super Alloys, Beryllium Copper, Steel, Exotics Alloys, Nylon, Delrin, Ultem, Plastics, Titanium</li></ul>	
<b>Threads</b>	<ul style="list-style-type: none"><li>• Customizable to All Machined Thread Sizes Both US and Metric</li></ul>	
<b>Finishes &amp; Platings</b>	<ul style="list-style-type: none"><li>• 48 Finishes Available</li><li>• Passivation</li><li>• Anodized</li><li>• Cadmium</li><li>• Chromium</li><li>• Nickel</li></ul>	<ul style="list-style-type: none"><li>• Brushed Finishes</li><li>• Tin</li><li>• Zinc</li><li>• Black Ox</li><li>• Chem-Film</li></ul>
<b>Locking Devices</b>	<ul style="list-style-type: none"><li>• ND Patch</li><li>• ND Vibra-Tite</li><li>• ND Pell-It</li></ul>	<ul style="list-style-type: none"><li>• 360 Ring Patch</li><li>• Microspheres</li><li>• Custom Applications</li></ul>
<b>Manufacturing Processes</b>	<ul style="list-style-type: none"><li>• CNC Machining</li><li>• CNC Swiss Turn</li><li>• Tapping</li></ul>	<ul style="list-style-type: none"><li>• Multi Spindle Automatics</li><li>• Assembly</li><li>• Micro Machining</li></ul>
<b>Additional Processes</b>	<ul style="list-style-type: none"><li>• In House Plating</li><li>• Heat Treat</li></ul>	<ul style="list-style-type: none"><li>• Secondary Operations</li><li>• Knurling</li></ul>
<b>Certifications</b>	<ul style="list-style-type: none"><li>• ISO 9001:2015</li><li>• ITAR</li><li>• DFARS</li></ul>	<ul style="list-style-type: none"><li>• REACH</li><li>• RoHS</li><li>• MIL-I-45208A</li></ul>

## Markets Served

- Electronics
- Commercial
- Hardware
- Defense/Aero
- Fiber Optics
- RF/Microwave
- Medical

## Get In Touch

To order stock or custom parts, visit [rafhdwe.com](http://rafhdwe.com) or contact us at 203.888.2133 | [info@rafhdwe.com](mailto:info@rafhdwe.com)



# Rockford Fastener

## Mission Critical Large & Small-Diameter Fasteners

- .090" – ½" & M3 – M12 Diameters
- NAS Fasteners
- Licensed Products
- Quick Turnaround
- ISO 9001 Certified







# Rockford Fastener Process Capabilities

<b>Products</b>	<ul style="list-style-type: none"><li>• Bolts</li><li>• Screws</li><li>• NAS Fasteners</li><li>• Studs</li><li>• Locking Fasteners</li><li>• Licensed Products</li></ul>			
<b>Diameters</b>	<ul style="list-style-type: none"><li>• #4 - ½"</li><li>• 3mm - 12mm</li></ul>			
<b>Lengths</b>	<ul style="list-style-type: none"><li>• 3/16" – 5"</li><li>• 5mm – 127mm</li></ul>			
<b>Materials</b>	<ul style="list-style-type: none"><li>• 1010, 1022, and 4037 Steel</li><li>• 10821 Carbon Steel</li><li>• CDA 260 Brass</li><li>• 651 Silicon Bronze</li></ul>	<ul style="list-style-type: none"><li>• 410 and 430 Stainless Steel</li><li>• 302 HQ Stainless Steel</li><li>• Alloy 4037</li><li>• Alloy Steel</li><li>• Aluminum</li></ul>	<ul style="list-style-type: none"><li>• Boron 10B21</li><li>• Low Carbon 1006</li><li>• Low Carbon 1008</li><li>• 1010 Low Carbon</li></ul>	<ul style="list-style-type: none"><li>• 1022 Medium Carbon 1038</li></ul>
<b>Finishes</b>	<ul style="list-style-type: none"><li>• Zinc – Bright</li><li>• Zinc – Chromate</li><li>• Zinc – Plated</li><li>• Zinc – Yellow</li><li>• Zinc – Trivalent Yellow</li><li>• Zinc – Black</li><li>• Zinc – Trivalent Black</li><li>• Magnesium Phosphate &amp; Oil</li><li>• Phosphate &amp; Wax Clean</li><li>• Clean &amp; Oil</li></ul>			
<b>Manufacturing Services</b>	<ul style="list-style-type: none"><li>• Shank Slotting</li><li>• Nylon / Scotch Grip Patch</li></ul>	<ul style="list-style-type: none"><li>• Kitting</li><li>• Head Slotting</li><li>• Heat Treating</li></ul>	<ul style="list-style-type: none"><li>• Magni Finish</li><li>• Threading</li><li>• Cleaning</li></ul>	<ul style="list-style-type: none"><li>• Heading</li><li>• Sorting</li><li>• Plating</li></ul>
<b>Certifications</b>	<ul style="list-style-type: none"><li>• ISO 9001:2015 Certified</li><li>• PAPP &amp; ISIR Documentation</li><li>• Accredited ISO 7025/A2LA Testing Laboratory</li></ul>			

## Markets Served

- Agriculture & Turf
- Appliance
- Automotive
- Construction
- Energy
- Engine Aftermarket
- Electric Motors & Pumps
- Heavy Equipment
- Industrial
- Lawn & Garden
- Material Handling
- Power Generation
- Shipbuilding

## Get In Touch

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# Sussex Wire

## High-Precision Standard & Custom Micro Components

- Highly Engineered, Specialty Metal Parts And Components
- Fast Delivery Of Custom Parts
- Production Runs Up To 500+ Million Components
- JIT Kanban Inventory Management Capabilities
- ISO 9001 Certified



# Sussex Wire Products

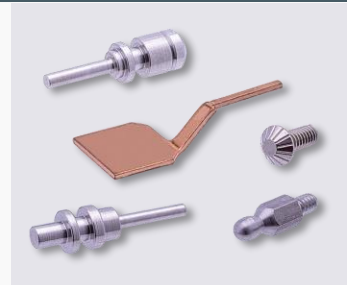
Single & Multi-Thread Pins & Leads



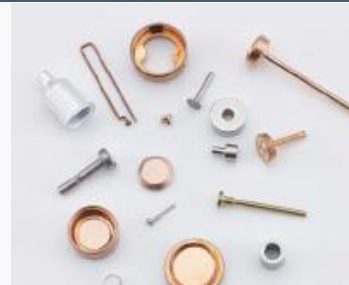
Wire Forms



Custom Screw Machined Products



Cold Heading



Roll Forming



Pointing & Tapping



Coiling & Stamping



Eyelet & O-Rings



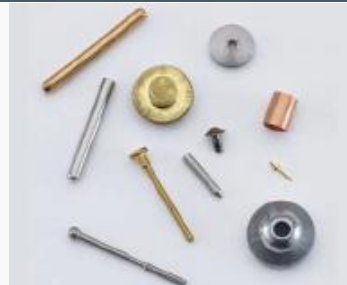
Caps & Buttons



Hubs & Inserts



Valves



Connectors



# Sussex Wire Process Capabilities

<b>Diameters</b>	<ul style="list-style-type: none"> <li>• .0035" to .400"</li> </ul>	
<b>Lengths</b>	<ul style="list-style-type: none"> <li>• Available in all types of lengths both US and Metric</li> </ul>	
<b>Materials</b>	<ul style="list-style-type: none"> <li>• Various Alloys, Aluminum, Copper, Copper Alloys, Copper Cored, Copper Clad, Inconel, Nickel Alloys, Platinum, Steel, and Stainless Steel</li> </ul>	
<b>Dimensioning &amp; Tolerancing</b>	<ul style="list-style-type: none"> <li>• AOI, RAM Optical Metrology, Micrometers, Optical Comparators, Drop Gages, Pin Gages, Vernier, 100% Inspection Capabilities</li> </ul>	
<b>Manufacturing Services</b>	<ul style="list-style-type: none"> <li>• Cold Forming</li> <li>• CNC Swiss Micro-Machining</li> <li>• Roll Forming</li> <li>• Threading</li> <li>• Tapping</li> <li>• Turning</li> </ul>	<ul style="list-style-type: none"> <li>• Pointing</li> <li>• Electrical Discharge Machining (EDM)</li> <li>• Cleaning</li> <li>• Tumbling</li> <li>• Etching</li> <li>• Plating</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>• ISO 9001:2008</li> <li>• ITAR</li> <li>• NIST Traceability</li> <li>• REACH</li> </ul>	<ul style="list-style-type: none"> <li>• DFARS</li> <li>• RoHS</li> <li>• AMS</li> </ul>

## Markets Served

- Automotive
- Electric Vehicles
- Defense
- Electronics
- Energy, Oil, & Gas
- Medical
- Semiconductor
- Transportation

## Get In Touch

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# Telefast Industries

## Custom Cold Formed Fasteners

- Threaded Fasteners For Internal Applications
- Custom Long & Large Bolts
- Standard Sizes In Stock
- Quick Turnaround
- ISO 9001 Certified, QSLM Class 2 & ITAR Compliant



# **Telefast Industries Process Capabilities By Product Type**

	Internally Threaded Fasteners		Externally Threaded Fasteners			
<b>Products</b>	<ul style="list-style-type: none"> <li>• Flange Nuts</li> <li>• All Metal Lock Nuts</li> <li>• Jam Hex Nuts</li> </ul>	<ul style="list-style-type: none"> <li>• Square Nuts</li> <li>• Round Nuts</li> </ul>	<ul style="list-style-type: none"> <li>• Bolts</li> <li>• Screws</li> <li>• Cold Formed Pins</li> </ul>			
<b>Diameters</b>	<ul style="list-style-type: none"> <li>• ¼" – 7/8" (M6-M20)</li> </ul>		<ul style="list-style-type: none"> <li>• 5/16" – 5/8" (M8-M16)</li> </ul>			
<b>Lengths</b>			<ul style="list-style-type: none"> <li>• ½" – 11 ½" (13-292mm)</li> </ul>			
<b>Materials</b>	<ul style="list-style-type: none"> <li>• CHQ Steel: 4140, 4037, 302HQ &amp; 316HQ</li> <li>• Carbon Steel</li> <li>• Alloy Steel</li> </ul>	<ul style="list-style-type: none"> <li>• Stainless Steel</li> <li>• Brass</li> <li>• Aluminum</li> </ul>	<ul style="list-style-type: none"> <li>• Low Carbon 1008-1022</li> <li>• Medium Carbon 1038</li> <li>• B16 (AMS 6304)</li> <li>• Alloy 4037, 4140/4142, 8620/8640, 8740 &amp; 5135</li> </ul>	<ul style="list-style-type: none"> <li>• Stainless 302/304 CHQ</li> <li>• Precipitation A286</li> <li>• Carbon Steel 1045 &amp; 1541</li> <li>• Boron 10B21</li> <li>• Brass</li> </ul>		
<b>Finishes</b>	<ul style="list-style-type: none"> <li>• Zinc with Clear or Colored Chromate</li> <li>• Cadmium with Clear or Colored</li> <li>• Phos &amp; Oil</li> <li>• Metallic Silver</li> </ul>	<ul style="list-style-type: none"> <li>• Organic Coatings</li> <li>• Hot Dip Galvanized</li> <li>• &amp; Mechanically Galvanized</li> <li>• Delta Blue</li> <li>• Zinc Nickel</li> </ul>	<ul style="list-style-type: none"> <li>• Sharperize</li> <li>• Zinc – Clear, Yellow, Trivalent Yellow, Black, Trivalent Black</li> <li>• Nickel Stripping</li> <li>• Zinc Iron Silver</li> <li>• Black Oxide</li> <li>• Passivate</li> <li>• Magni Zinklad 1000</li> </ul>	<ul style="list-style-type: none"> <li>• CARC</li> <li>• Copper</li> <li>• Gleitmo 603 Sealer</li> <li>• Phos &amp; Oil</li> <li>• Clean &amp; Oil</li> <li>• Delta Protekt</li> <li>• Electro Polyseal</li> <li>• Manganese Nickel Zinc</li> <li>• Dacromet &amp; More</li> </ul>		
<b>Manufacturing Services</b>	<ul style="list-style-type: none"> <li>• Tapping</li> <li>• Top Lock &amp; Side Lock</li> <li>• Slotting</li> </ul>	<ul style="list-style-type: none"> <li>• Packaging</li> <li>• Deflection – top and side lock</li> </ul>	<ul style="list-style-type: none"> <li>• Box Milling</li> <li>• Broaching</li> <li>• Drilling</li> </ul>	<ul style="list-style-type: none"> <li>• Face Cut</li> <li>• Grinding</li> <li>• Knurling</li> </ul>	<ul style="list-style-type: none"> <li>• Pointing</li> <li>• Rolling</li> <li>• Trimming</li> </ul>	<ul style="list-style-type: none"> <li>• Shaving</li> <li>• Slotting</li> <li>• Turning</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>• ISO 9001:2015 Certified</li> </ul>		<ul style="list-style-type: none"> <li>• QSLM Class 2</li> </ul>		<ul style="list-style-type: none"> <li>• ITAR Compliant</li> </ul>	

## Markets Served

- Automotive Aftermarket
- Construction & Infrastructure
- Energy
- Heavy Equipment
- Distribution
- Military
- Motorsports
- Non-Automotive Ground Transport

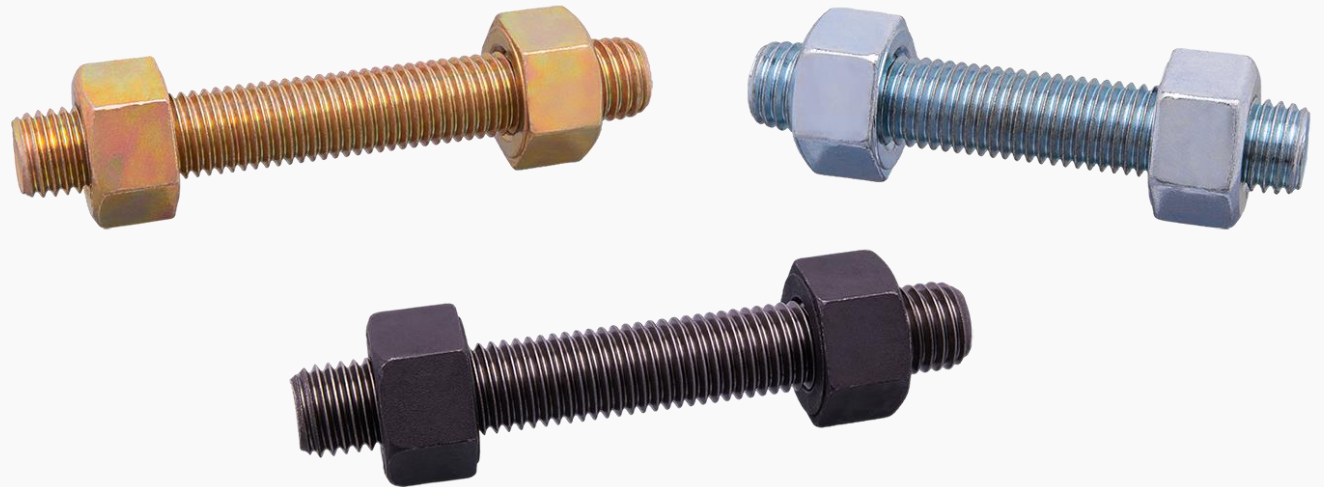
## Get In Touch

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# USA Fastener

**USA Fastener is a recognized leader in the fastener industry, offering quality fasteners and assemblies.**

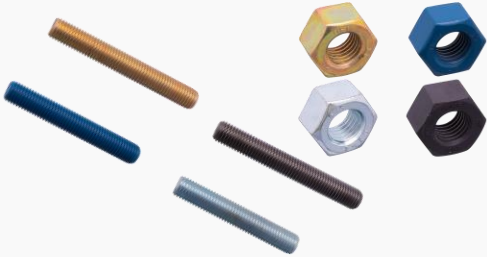
- Stocked Parts Ship in 24 Hours
- Custom Studs, Nuts, Bolts, Sockets & More
- Standard & Exotic Materials
- Many Coating & Plating Options
- ISO 9001 Certified
- API 20E BSL 1, 2 & 3 Certified
- API SPEC Q1 Certified



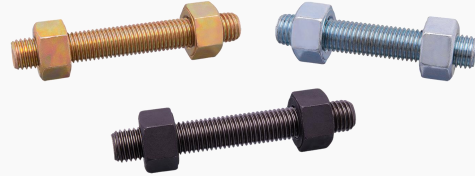


# USA Fastener Products

Studs & Nuts



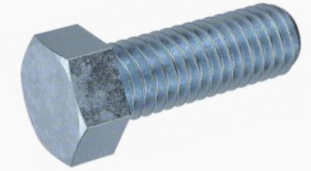
Assemblies



12-Point Cap Screws



Hex Head Bolts



B7 Stud & 2H Nut Assemblies



Sockets



Raw Materials



Custom Fasteners

**Custom fasteners of most diameters and lengths can be made to order.**

## All Products

All Thread Studs  
Stud & Nut Assemblies  
Double End Studs  
Tap End Studs  
Single End Studs  
Tapered Studs

Collar Studs  
Combination Studs  
Finished & Heavy Pattern Nuts & Bolts  
Tommy Nuts  
12-Point Nuts & Screws  
Hex Head Bolts & Tap Bolts

Socket Head Cap Screws  
Set Screws  
Shoulder Bolts  
Round Bar & All Thread





# **USA Fastener Process Capabilities**

<b>Diameters &amp; Lengths (Hot Forging)</b>	<ul style="list-style-type: none"> <li>• Diameters ½" - 7/8" - Lengths Up To 14"</li> <li>• Diameters 1" - 3" - Lengths Up To 24"</li> </ul>
<b>Fastener Configurations</b>	<ul style="list-style-type: none"> <li>• Finished Hex Head Bolts / Heavy Hex Head Bolts</li> <li>• Flange Bolts</li> <li>• Socket Head Cap Screws</li> <li>• Finished Hex Nuts / Heavy Hex Nuts</li> <li>• Fasteners – Per Print</li> </ul>
<b>Materials</b>	<ul style="list-style-type: none"> <li>• Various Alloys, Carbon Steel, Stainless Steel, Copper Alloys, Nickel Alloys, Exotics</li> </ul>
<b>Finishes</b>	<ul style="list-style-type: none"> <li>• Xylan, FluoroKote, SermaGard, GEOMET, NanoGalv, Moly, Black Oxide, Phosphate, Zinc (clear or yellow), CAD (clear or yellow), Hot-dip Galvanizing, Others as Requested</li> </ul>
<b>Manufacturing Services</b>	<ul style="list-style-type: none"> <li>• CNC &amp; Lathe</li> <li>• Cutting</li> <li>• Chamfering</li> <li>• Tapping</li> <li>• Milling</li> <li>• Plating</li> <li>• Hot Forging</li> <li>• Drilling</li> <li>• Threading</li> <li>• Cut Thread Up To 4"</li> <li>• Rolled Thread Up To 1 ½"</li> <li>• Assembly</li> <li>• Sawing Up To 14" Dia.</li> <li>• In-house Material Testing</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>• ISO 9001</li> <li>• API 20E BSL 1, 2, &amp; 3</li> <li>• API SPEC Q1</li> </ul>

## Markets Served

- Energy
- Oil & Gas
- Valves & Actuators

## Get In Touch

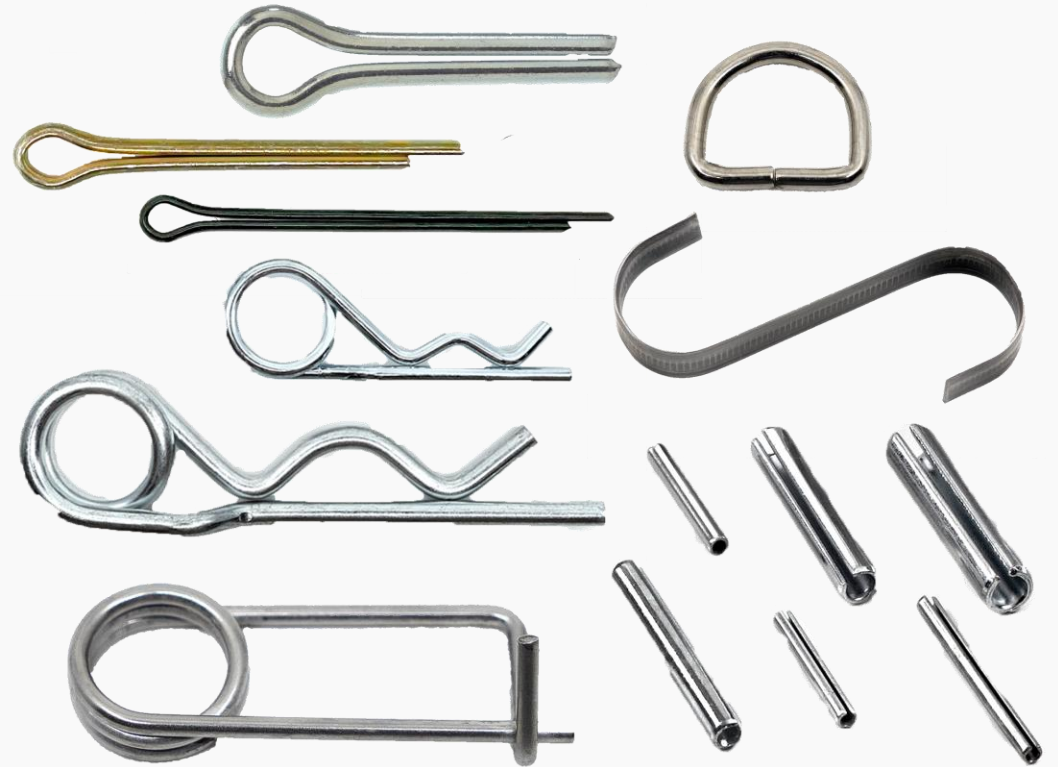
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# Western Wire Products

## Your #1 Source for Wire Fasteners and Wire Forms

- Ready-to-Ship Stock Parts
- Rapid Custom Build-to-Order
- Flexible Minimum Order Quantities
- Fast Delivery Of Custom Parts
- Precision Wire Forming for Simple and Complex Shapes
- ISO 9001 Certified, USA Made
- Custom Inventory Programs & Blanket Orders





# Western Wire Products

Cotter Pins



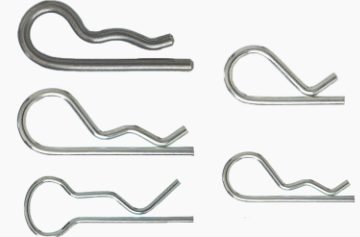
D Rings



S Hooks



Hitch Pin Clips



Hog Rings



Spring Pins



Other Standard Wire Fasteners

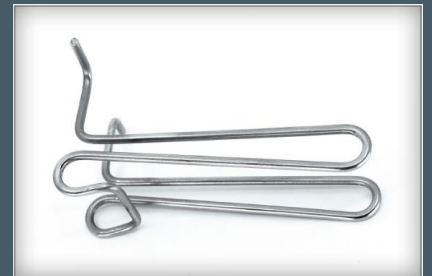


Custom Wire Forms



## Custom Wire Forming

Western Wire is an industry leader in custom wire forming, with the ability to offer everything from simple parts to extremely complex shapes. Our wide array of equipment and processes allow for the fabrication of complex wire forms in small to large quantities at competitive prices. Get everything from a few pieces or prototypes to high volume manufacturing.



# Western Wire Process Capabilities

<b>Diameters</b>	• .010" to .625" or .25mm to 16mm	
<b>Lengths</b>	• Nearly unlimited blank length	
<b>Materials</b>	• Stainless Steel – all grades, Low Carbon Steel, High Carbon Steel, Monel, Aluminum, Brass, Copper, Exotics	
<b>Finishes</b>	<ul style="list-style-type: none"> <li>• Passivation</li> <li>• Black Oxide</li> <li>• Electropolish</li> </ul>	<ul style="list-style-type: none"> <li>• Powder Coating</li> <li>• Phosphate &amp; Oil</li> </ul>
<b>Plating</b>	<ul style="list-style-type: none"> <li>• Cadmium</li> <li>• Chromium</li> <li>• Nickel</li> </ul>	<ul style="list-style-type: none"> <li>• Silver</li> <li>• Tin</li> <li>• Zinc</li> </ul>
<b>Manufacturing Processes</b>	<ul style="list-style-type: none"> <li>• CNC Wire Forming</li> <li>• Multi-Slide Manufacturing</li> <li>• Threading</li> <li>• Deburring</li> <li>• Staking</li> <li>• Stamping</li> </ul>	<ul style="list-style-type: none"> <li>• Milling</li> <li>• Drilling</li> <li>• Undercutting</li> <li>• Tapping</li> <li>• Welding</li> </ul>
<b>Additional Processes</b>	<ul style="list-style-type: none"> <li>• Heat Treat</li> <li>• PPAP/FAIR</li> </ul>	<ul style="list-style-type: none"> <li>• Assembly</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>• ISO 9001:2015</li> <li>• DFARS</li> <li>• REACH</li> </ul>	<ul style="list-style-type: none"> <li>• RoHS Cage Code: 65029</li> <li>• Unique Entity ID (UEI): Available on SAM.gov</li> </ul>

## Markets Served

- Aerospace
- Agriculture
- Electrical
- Plumbing
- Industrial
- Commercial

## Get In Touch

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**Thank you!**

For Quoting & Additional Information,  
Contact Us At [sales@mwcomponents.com](mailto:sales@mwcomponents.com)



**MW Components**