

Custom Cold Formed Fasteners



Anderson Manufacturing produces miniature fasteners such as screws, bolts and studs (such as clinch studs) to meet the precision fastening needs of industries ranging from automotive and electronics to medical. Our competence extends to manufacturing fasteners with diameters as low as 0.019". We can form fasteners with tolerances close to ± 0.001 " in diameter and ± 0.005 " in length.

Besides manufacturing miniature fasteners, Anderson Manufacturing also supplies a range of proprietary threaded fasteners and anti-cross threaded products such as MATHread®. Our cold forming process ensures faster production as well as increased shear and yield strengths compared with conventional machining operations. Our production run capabilities range from a thousand to a million pieces.

In addition to cold heading, we perform secondary operations such as trimming and thread rolling to custom specifications. Camera optical sorting and roll sorting machines are used for sorting fasteners. Our in-house QC capability is complimented by finite element analysis, which facilitates strict quality control.

| Specifications | |
|-------------------------------------|--|
| Tolerances | <p>Tolerances are part dependent but typical tolerances are:</p> <ul style="list-style-type: none"> • Diameters ± 0.001" • Lengths ± 0.005" <p>But in many cases, we can achieve:</p> <ul style="list-style-type: none"> • Dia. ± 0.0005" • Length ± 0.002" <p>If the design requires.</p> |
| Part Dimensions (Min / Max) | <p>Cutoff size: 0.019"(0.5mm) - 1.000"(25mm) Cutoff length: 0 - 8.5"(216mm) Stations: 1 die/2 blow through 6 die/6 blow</p> |
| Materials commonly processed | <p>Various Alloys of the list below but <i>NOT</i> limited too:</p> <ul style="list-style-type: none"> • Steels (Carbon and Alloy) • Stainless Steels (300 & 400 series, A286, et.al.) • Brass • Copper • Other Copper Alloys (e.g. Bronze) • Aluminum • Nickel • Silver • Platinum |

- Tin

- Lead

Others Available Upon Request

Various Plating

Anderson has multiple partnered vendors who provide us with their expertise in their special services such as heat treating and plating.

Many Other Value Added Operations are also available but *NOT* limited to...

Secondary Operations

- Trimming
- Thread Rolling
- SEMS Rolling
- Roll Forming
- Shaving/Pointing
- Drilling
- Broaching
- Heat Treatment
- Plating
- Painting
- Thread Patch
- Adhesive
- Lubricants
- Over-Molding

Product Description Custom Cold Formed Fasteners

Applied Process Cold Heading

Material Diameter .019" - 1.00"

Standards Met Per Customer Print

Cold Forming Capabilities

Blank Rolling
 Extrusion
 Piercing
 Pointing
 Sizing
 Thread Rolling
 Trimming
 Upsetting

ISO Certification ISO 9001:2008
 ISO/TS 16949

Part Quantity We can produce your production runs from 1,000 to 1,000,000's

Lead Time Lead times usually run from 2 to 12 weeks and are part dependent. Contact us through the "RFI" (Request Information) to verify your parts lead time.

Acceptable documentation file types We accept AutoCAD and pdf files

Anderson Manufacturing produces cold formed specials, as well as, a variety of terminals, contacts, pins and rivets for a wide variety of industries including:

- Automotive
- Electronics

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| Industries Served | <ul style="list-style-type: none"> • Housewares • Furniture • Medical • Appliance • Hardware <p>Our product range, over 1,600 different items and growing, which has been instrumental in maintaining a balanced growth of our business over the years.</p> |
| Applications | <p>If you have a fastening problem, we have the solution. We specialize in proprietary and value added products</p> <ul style="list-style-type: none"> • Screws • Bolts • Studs <p>With both standard and specialty pins and rivets</p> <ul style="list-style-type: none"> • Shouldered • Straight • Tapered • Semi-tubular • Solid • Bi-metal (laminated) contact rivets <p>Our product range, over 1,600 different items and growing, which has been instrumental in maintaining a balanced growth of our business over the years.</p> |
| QC Process / Sorting | <p>Anderson Manufacturing's trained operators use precision inspection tools, computers and technologically advanced equipment to assure that the final products meet or exceed our customer's specifications.</p> |
| QC Capabilities | <p>Data Collection System Finite Element Analysis (FEA)</p> |
| Inspection Process | <p>Anderson Manufacturing firmly believes that quality begins with our highly qualified equipment operators in conjunction with precision tools, computers and technologically advanced equipment and training to assure that the final products meet or exceed our customer's specifications.</p> |
| Professional Associations | <p>We are an active members in the:</p> <ul style="list-style-type: none"> • Kenosha Area Business Alliance • Madison Area NAV Users Group • Better Business Bureau • MANA |

| Equipment List | |
|------------------------------|--|
| Cold Forming Machines | <ul style="list-style-type: none"> 10mm 4 Die 4 Blow 13mm 2 Die 3 Blow 15mm 5 Die 5 Blow 19mm 6 Die 6 Blow 3mm 2 Die 4 Blow 3mm 1 Die 2 Blow 8mm 2 Die 4 Blow 8mm 5 Die 5 Blow 6mm 1 Die 2 Blow 4mm 1 Die 2 Blow 6mm 2 Die 4 Blow |

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|----------------------------------|---|
| | #1015 #20 #30 #0 #10 |
| Rolling Machines | |
| Offline Trimming Machines | 19mm Die 1 Blow Trimmer |
| Sorting Equipment | 3 Camera Optical Sorter Roll Sorting Machines 360 degree Laser Sorter |

ABOUT US



ISO/TS
Certification



ISO9001:2008
Certification



Contact Us

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