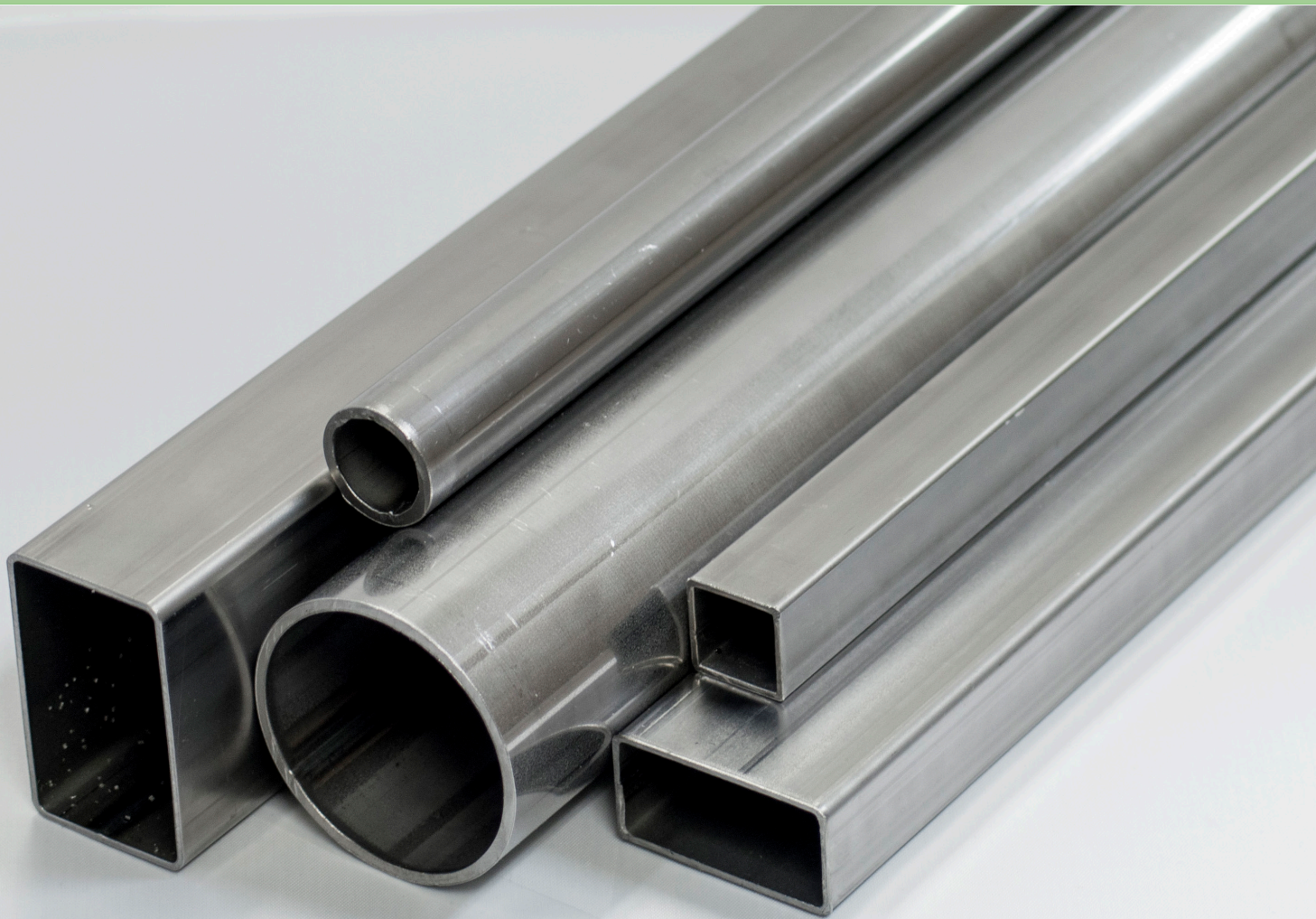


MECHANICAL STEEL TUBING

Precision & High Quality



Atkore[™]
Allied Tube
& Conduit

Precision Mechanical Steel Tubing

Tubing May Look the Same, but Doesn't Perform the Same Way.

That's why Tectron Tube remains the premier choice for mechanical steel tubing. We are a fully integrated manufacturer from wide coil processing (hot band pickling, coil slitting) through tube production and fabrication. Because we are a part of Atkore International, we have substantial steel purchasing power and our own team of metallurgist who formulate our steel grades and specifications.

We specialize in complex shapes along with producing a full range of tubular product solutions.

Our Service Sets us Apart!

Customers rely on us as a resource. We work in tandem on new product introductions and even aid with design. Tectron's fabrication capabilities make us a one-stop shop. In addition to designing our products around unique requirements, we offer a range of special fabrication services to provide assistance and product enhancement in the form you desire. When you fabricate our tube it remains consistent – that's the Tectron Tube difference!

Continuous investment in state-of-the-art manufacturing technology, such as our high-frequency welder and non-destructive testing equipment, keep our product and operations running efficiently and consistent. We have the service advantage and flexibility with our in-house slitter, to accommodate demand changes at a moment's notice.



Tectron Tubing Product Overview

Tectron Tube offers a broad range of sizes from 0.5" - 3" OD (outside diameter) in round, square, rectangle, oval and other assorted complex shapes. To satisfy our customer needs and ever changing requirements, we stock hot-rolled and cold-rolled in a multitude of different steel grades and gauges including drawing, low carbon, high strength low alloy, and dual-phase steel.

Our full range of mechanical tubing products include:

- DS – Drawing Steel
- LCC – Low Carbon Commercial Quality
- HSLA – High Strength Low Alloy Steel
- SS – Structural Steel
- DP – Dual phase
- WS – Weathering Steel



Our tube can be purchased raw with a rust preventable coating or Qwik-Coat® lacquer topcoat. Other coating options include pre-galvanized and aluminized. One of the many advantages of Tectron Tube is our ability to control the location of the weld and hold it in place. Choose flash-in, flash-rolled or flash-cut depending on your application requirements.

“Flash” is produced when the edges of the steel strip are passed through the welder and brought to fusion temperature, a weld seam is formed lengthwise down the tube. A small amount of molten metal is squeezed out of the weld seam during this process on the OD (outside diameter) and the ID (inside diameter) of the tube. This excess metal is a “weld flash”. The weld flash on the OD is removed to form a uniform outside surface. The weld flash on the inside of the tube can be specified as follows:

- **Flash-In:** The weld flash remains in the as-welded condition, and the height of the weld seam inside the tube will be no more than the wall thickness or 3/32”, whichever is less.
- **Flash-Rolled:** The ID weld flash can be rolled back up into the weld area just after welding. The seam can be controlled to varying heights depending on the OD and gauge. This is the most common method of flash controlling the ID seam. The minimum OD that can be flash rolled is .875”.
- **Flash-cut:** The weld bead is mechanically removed.

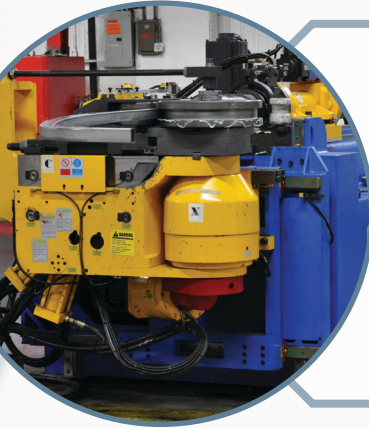
Quality Assurance & Testing

The most important aspect of our Quality Assurance program is ensuring that you receive the very best components for your end product. Therefore, we perform rigorous quality testing on incoming materials. The steel used to manufacture our mechanical steel tubing meets ASTM A-513, Types 1 and 2.

Tectron Tube is ISO 9001: 2008 certified registered in total quality and continuous improvement. Optimum steel quality is assured through the implementation of full traceability procedures, including physical and chemical testing programs. To ensure weld integrity, Tectron performs both destructive and non-destructive testing.

FABRICATION SERVICES

CNC BENDER



The CNC machine has the ability to import files from 3D CAD directly to bender controls and reduces program development time. Bend multi radii in same part (draw and push rolling) offering more flexibility in bending tubes. Small or large volume, simple or complex, the bender will save time, space and money.

- Round O.D. Max: 3.000" 12 gauge
- Square O.D. Max: 2.250" 12 gauge
- 25% faster than hydraulic bending
- Allows for automated parts – all planes
- Improves productivity and efficiency – reduced cycle times
- Improved repeatability

TUBE LASER BLM LT722



This is a complex machine that can cut and/or etch designs into tubular and open shape products. The laser is not limited to holes, slots and/or straight end cuts. There is no hard tooling involved in running products so this opens up the possibilities of shorter runs that can be cost effective.

- Round O.D. Max: 6.000"
- Square O.D. Max: 4" sq
- Minimum WIP Length: 132"
- Maximum WIP Length: 324"
- Maximum Finished Length: 252"
- Maximum Wt/Ft: 10 lbs



There are multiple cold saws currently in use at Allied. The primary function of these saws is to cut heavy wall tubing, especially cuts with a tight length tolerance. The cold saws provide precise tolerances and leave a minimal burr. Our cold saws are also capable of cutting steel bar or rod at any angle up to 90°.

- Round O.D. range: 0.500" - 4.500"
- Largest square: 4.000" x 4.000"
- Largest rectangle: 2.000" x 4.000"
- Gauge range: 4 - 16
- WIP length range: 48" - 288"
- Finished length range: 1" - 288"
- Std length tolerance up to 10': ±1/32"
- Std length tolerance over 10': ±1/16"
- Steel types: 1006 - 1022
- Round O.D. Range: 0.500" - 3.500"
- Largest Square: 3.000" x 3.000"
- Largest Rectangle: 2.000" x 3.000"
- Gauge Range: 4 - 16
- WIP Length Range: 48" - 288"
- Finished Length Range: 1" - 90"
- Std Length Tolerance up to 10': ±1/32"
- Steel Types: 1008 - 1022

COLD SAW

HAVEN MODEL 873/875

The Haven Tube Cutters are high-speed cutoffs that use a double cut process to re-cut tubing from mill lengths to customer-specified shorter lengths. With the Haven, there are no metal shavings to be removed after cutting. The end condition of the tubing after cutting is dimple-free with minimal burr.

- Round O.D. range: 0.500" - 5.000"
- Square/Rectangle O.D. range: 0.625" - 3.000"
- Gauge range: 22 - 8
- Finished length range*: 873: 3.5" - 120"
875: 3.5" - 158"
- WIP material length: 120" - 300"
- Std length tolerance: ±1/16"
- Steel types: 1008 - 1022

* Tube lengths up to 120" (14 gauge and lighter) can be brush de-burred in-line.



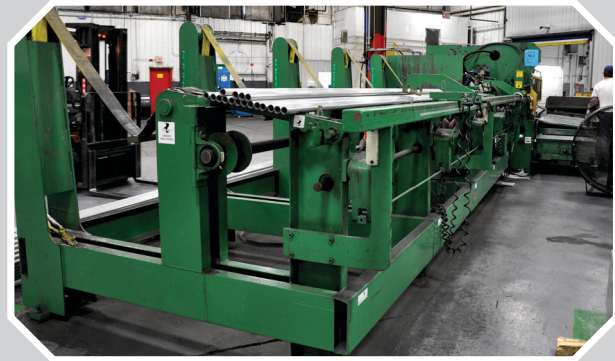
APPLICATIONS

Tectron Tube...It's All Around You

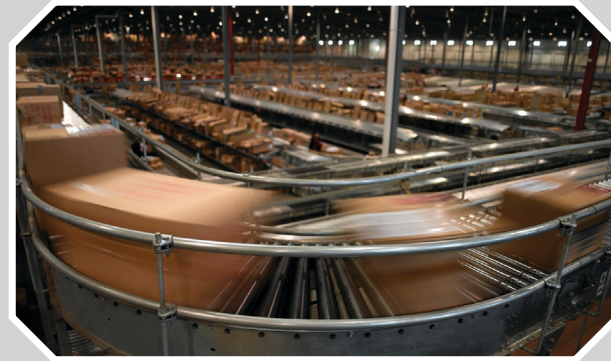
Tectron tubing is used almost everywhere from everyday functional items like office furniture, tables, and benches to high-performance products such as snow blowers, lawn mowers, and ATVs.



AGRICULTURE EQUIPMENT



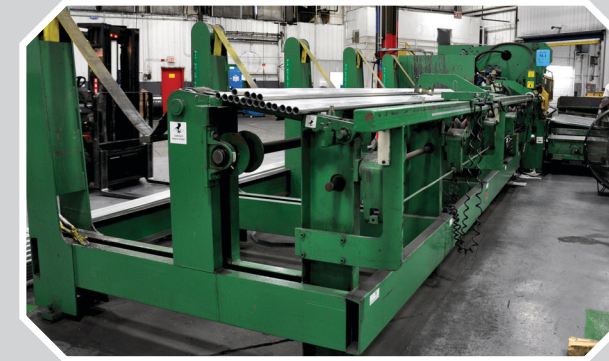
AUTOMOTIVE



CONVEYOR



FURNITURE



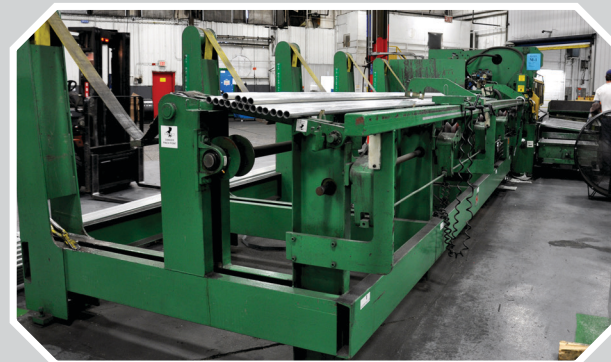
HEALTHCARE EQUIPMENT



LAWN & GARDENING EQUIPMENT



OFF ROAD VEHICLES



RECREATIONAL VEHICLES



TRANSPORTATION EQUIPMENT



UTILITY VEHICLES

Technical Support

Tectron Tube has a staff of in-house engineers available to assist you in areas such as new product introductions, design efficiency and fabrication processes. Will Schedule on-site consultations to assess your situation and tailor a solution that will optimize your end product. Our engineers can successfully reduce labor, freight costs, as well as increase production and eliminate secondary processes.

Our mission is simple. Provide customers with a tubular products solution demonstrating the highest quality, fulfilling your requirements, and exceeding your expectations.



Allied Tube & Conduit ▲ AFC Cable Systems ▲ Heritage Plastics ▲ Unistrut
Unistrut Construction ▲ Cope ▲ US Tray ▲ Calbrite ▲ Calbond ▲ Kaf-Tech
Columbia-MBF ▲ Eastern Wire + Conduit ▲ ACS/Uni-Fab ▲ Cii
Power-Strut ▲ Calconduit ▲ Razor Ribbon ▲ Calpipe Security
Vergokan ▲ Flexicon ▲ Marco

Atkore

16100 South Lathrop Avenue
Harvey, IL 60426

TOLL FREE / 800-882-5543
FAX / 708-339-7814

atkore.com/atcm

Want to join a company that helps you build
the mindset, skill set and tool set for success?
Visit us at atkore.com/careers