

BROCHURE



MECHANICAL TUBE CAPABILITIES BROCHURE

Flo-Coat® • Gatorshield® • Gatorshield® Plus • Square-Fit™ • Fabrication

A PART OF





THE ALLIED TUBE & CONDUIT ADVANTAGE

Engineered Solutions To Exceed Your Performance Needs

Focused on the North American market, Allied Tube and Conduit and our exclusive distributor partners provide engineered solutions with customized tubular products that provide superior strength, formability and corrosion protection resulting in optimum product performance, cost and total customer satisfaction.

People

Allied Tube & Conduit has one of the most experienced teams of mechanical and application engineers, technicians, metallurgists and customer service representatives assembled in the industry. We are focused on building long-lasting partnerships and becoming experts on your products and requirements. This enables us to more effectively align our products to meet your needs by translating our experience into new ideas, new processes and new opportunities. We strive to build relationships with your entire organization. In return, we hope that you will get to know our staff to develop a partnership that extends beyond the mere exchange of goods and services.

Process

With our in-line galvanizing process, we provide innovative tubular solutions that enhance your production processes. Our emphasis is to bring increased value to your product that will command a premium in its respective marketplace.

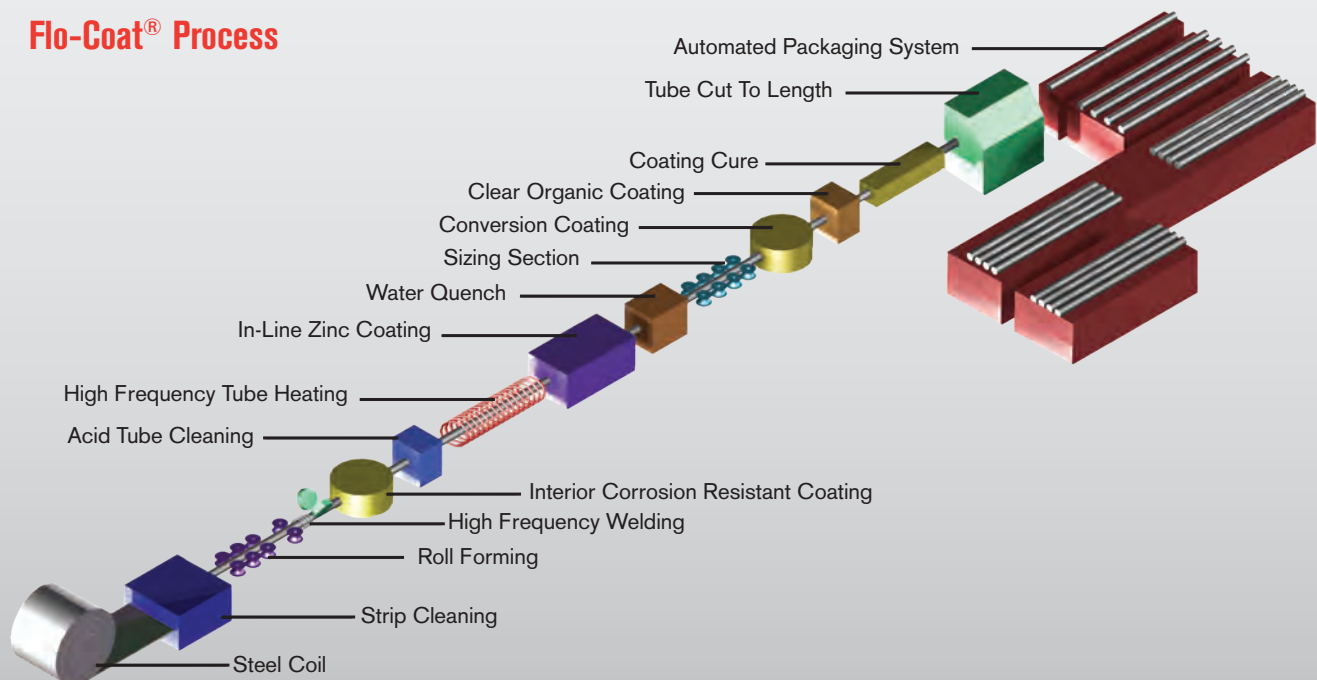
Products

As a leading supplier to industrial markets, we design products that reduce your operational costs while increasing performance for optimal application solutions. Allied Tube & Conduit's in-line galvanized tubing is engineered to eliminate production steps, reduce your overall steel weight and provide an overall application improvement. Our products are a solution to costly bottlenecks associated with paint, powder coating, hot-dip galvanizing or any other secondary coating operation. Our products are process-ready to meet your needs allowing you the ability to forego costly steps saving you time, resources and money.

Performance

We can produce customized specifications to insure maximum performance for your application. We offer special packaging to improve handling and storage container loading to minimize your freight costs.

Flo-Coat® Process



RETHINKING MECHANICAL TUBING



We don't simply make tubing. We create savvy solutions for your business.

In every application, an opportunity to be better.

Before we manufacture a single tube, we begin with a single purpose; making your business better. Which means that with every customer, our manufacturing process actually begins with a learning process. We work to understand your business and identify opportunities for fresh, creative thinking and unconventional answers.

At Allied Tube & Conduit, our business is developing customized, business-savvy solutions that maximize profit and product performance for your business.

Our extensive product experience, applied to your unique business environment.

It's the unique challenges of your business and the demands of your critical applications that inspire us. In each challenge lies the opportunity to make tubing an integral and active part of your business, and not a mere commodity. Our customers typically come to us with an idea of what they'd like to achieve. And we work tirelessly to determine how to exceed their expectations.

Solutions for today. A partnership for tomorrow.

Simply put, we're committed to being an active and important part of your business. From finding the right products to streamlining your supply chain to technical and marketing assistance, we're not just experts on tubing... we're experts on how tubing can work better for you every day.



FIT FOR USE

With such a wide-range of uses, Allied Tube & Conduit's in-line galvanized tubing represents versatility.

A COMPLETE PRODUCT LINE

With an ever expanding range of uses, Allied Tube & Conduit's in-line galvanized tubing must be versatile. Our capabilities include shapes such as: round, square, rectangle and flat-sided ovals. These shapes come in a number of different wall thicknesses (see WPF chart) for use in the majority of mechanical and structural applications.

Allied Tube & Conduit's tubing is manufactured to ASTM A500. Custom requirements are available to meet your specific needs.

FLO-COAT®

Flo-Coat tubing is "the original in-line galvanized product." Developed first in 1959, Allied Tube & Conduit created a technique to run welded tubing through molten zinc utilizing our in-line process. Flo-Coat features advanced levels of corrosion protection, higher strength through cold forming and is designed to be paint and powder coat friendly.

GATORSHIELD®

Gatorshield tubing is manufactured using the same in-line galvanizing process as our Flo-Coat product. A heavier layer of zinc is applied which provides additional corrosion protection. It is ideal for outdoor or high-moisture applications.

GATORSHIELD® PLUS

Gatorshield Plus galvanized tubing is manufactured using our high performance in-line galvanized process that offers even greater corrosion protection by adding an additional 50% more zinc. The product has been designed for use in straight applications in the most corrosive of environments.

SQUARE-FIT

Square-Fit's unique telescoping action gives flexibility in design and assembly of your product. Made with the latest high-speed roll forming technology, smaller sizes fit smoothly and snugly into the next larger size giving it the ability to telescope. It is available with and without holes. The product is available in a G90 pre-galvanized finish with clear organic Qwik-Coat.

ROLL FORM SHAPES

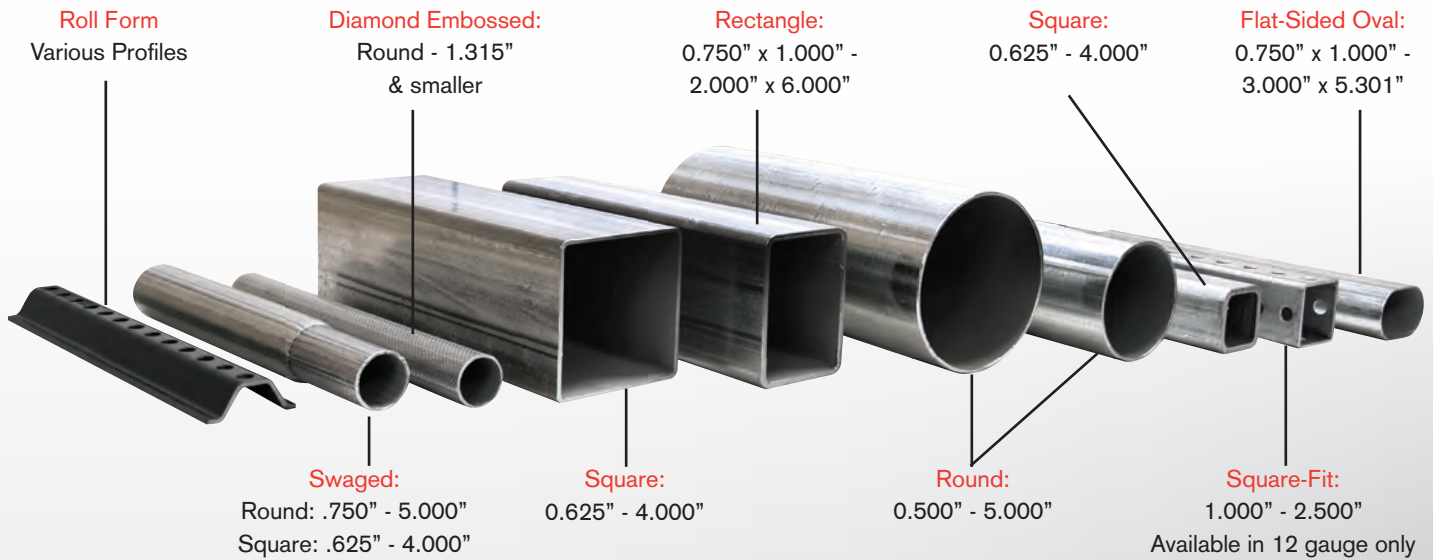
In addition to mechanical tubing, roll form shapes are also available. Our manufacturing capabilities include "C", "U", and Hat channel and a wide-variety of other shapes. These products feature the same strength and corrosion resistant characteristics as our mechanical tube line giving you the compatibility and reliability of a single source.

The next time you visit a park, go out shopping or make a cell phone call, it's most likely you'll encounter our in-line galvanized tubing. Uses of Allied Tube & Conduit's in-line galvanized product include playgrounds, carports, cart corrals and cell towers. It's also used in industrial applications such as conveyor rollers, dairy stalls, greenhouses and solar power equipment applications. So whether you are aware of it or not, our in-line galvanized tubing is a part of your life.



Gauge Range: 4 (0.238") – 22 (0.028")

Refer to the Allied Tube and Conduit WPF chart for specific OD and gauge combinations



- Customized specifications
- Inkjet stenciling
- Zinc-based organic coating
- Both primary and secondary end cut conditions
- Formable, heavy zinc layer – no cracking or flaking
- Organic topcoat & conversion coat to inhibit white and red rust
- High-strength 50ksi yield on most products
- Hot-rolled, cold-rolled, HSLA, and DQ steels



ACCESS FLOORING ANTENNAS AUTO AFTER-MARKET
 AUTOMOBILES BARNs / STALLS / CORRALS BOAT
 DOCKS BOAT TRAILERS BOLLARDS / BARRICADES
 BUILDING SUPPORTS / FRAMES CANOPIES
 & SHADE STRUCTURES CARPORTS CART
 CORRALS CARTS / HAND TRUCKS

A-Z

CONVEYOR SYSTEMS DAIRY STALLS DECK STRUCTURES DISPLAY RACKS
 DISPOSAL EQUIPMENT FARMSTEAD EQUIPMENT FOOD PROCESSING
 FRAMES & AWNINGS FURNITURE GARAGE DOORS GARMENT
 CONVEYORS GATES / FEEDERS / KENNELS GRAIN BINS GREENHOUSES
 HANDRAILS / BALUSTRADE / STAIRWAY HARDWARE HEATER TUBE
 HORSE / CARGO TRAILERS HOUSEWARES HOUSING COLUMNS
 INDUSTRIAL BULK CONTAINERS INDUSTRIAL SHELVING IRRIGATION
 EQUIPMENT JUVENILE PRODUCTS LAWN & GARDEN MEDICAL METAL
 BUILDINGS MODULAR RACKS MINE CONVEYORS ORCHARD & VINEYARD
 STAKES ORNAMENTAL IRON OUTDOOR BENCHES & TABLES OUTDOOR
 RECREATIONAL FURNITURE PALLET RACKS PLAYGROUND SETS POULTRY
 FEEDERS & EQUIPMENT RV & CAMPERS SATELLITE DISH SCAFFOLD SIGN
 POSTS SOLAR RACKING & TRACKING SPORTING GOODS STEEL PALLETS
 STORAGE FIXTURES TRACTOR-TRAILER ACCESSORIES TRAMPOLINES TRASH
 TOTERS TRUCK TARP FRAMES UTILITIES – GAS & ELECTRIC ZOO STRUCTURES

IN-LINE ADVANTAGE

Strength

We guarantee a minimum 50 ksi yield and 55 ksi tensile on many of our products with the ability to achieve even higher properties. Compared to Schedule 40 pipe at 30 ksi, Allied Tube & Conduit's tubing provides a variety of higher strength alternatives. Custom steels are available such as HSLA and DS. Please refer to Allied Tube & Conduit's Weight Per Foot (WPF) chart for specification information.

Reduced Weight

Allied Tube & Conduit's tubing is adapted for the specific use of your applications. Our tube is produced by specific wall thickness rather than 1/16 or schedule pipe designations. Allied Tube & Conduit's tubing demonstrates that strength is not represented by wall thickness alone, but rather by the appropriate combination of steel grade and yield/tensile properties augmented by our unique processing techniques.

Outstanding Corrosion Protection

Allied Tube & Conduit's signature in-line galvanizing process exhibits superior corrosion resistance by utilizing a triple layer of protection. First a 99.99% pure SHG zinc coating is applied to the surface, followed by a conversion coating. The process is completed by adding a clear organic topcoat that seals the surface and produces a smooth shiny finished product unique to Allied Tube & Conduit. Exceptional corrosion protection is achieved by the combined performance of our three bonded coatings as compared to a single layer of zinc. Allied Tube & Conduit's tubing was designed for critical long-lasting applications, and is ideal for outdoor or high-moisture environments.

Weld Friendliness

Due to its 99.99% pure SHG zinc coating, Allied Tube & Conduit's tubing can be easily welded. Contrary to popular belief, all galvanized products do not perform identically in regards to welding suitability. Weld performance is an important feature of the Allied Tube & Conduit's tubing product and one that has made it a success in several marketplaces for over 50 years.

Formability

Allied Tube & Conduit's tubing is also capable of being fabricated using several different methods including hole punching, cutting, flattening, bending, swage, etc. All of these operations can be performed without cracking, flaking or otherwise damaging the integrity of the coatings. This is one of the unique advantages of Allied's in-line galvanized process.

Custom Mill Lengths

There is nothing standard about our mill cut lengths. Custom mill lengths from Allied Tube & Conduit allow you to minimize or eliminate the scrap generated when having to cut standard lengths of pipe products.

Conversion Calculators
are available online at
www.atc-mechanical.com
under Resources

VS. THE ALTERNATIVES

Flo-Coat®/Gatorshield® delivers excellent results when compared with alternative products

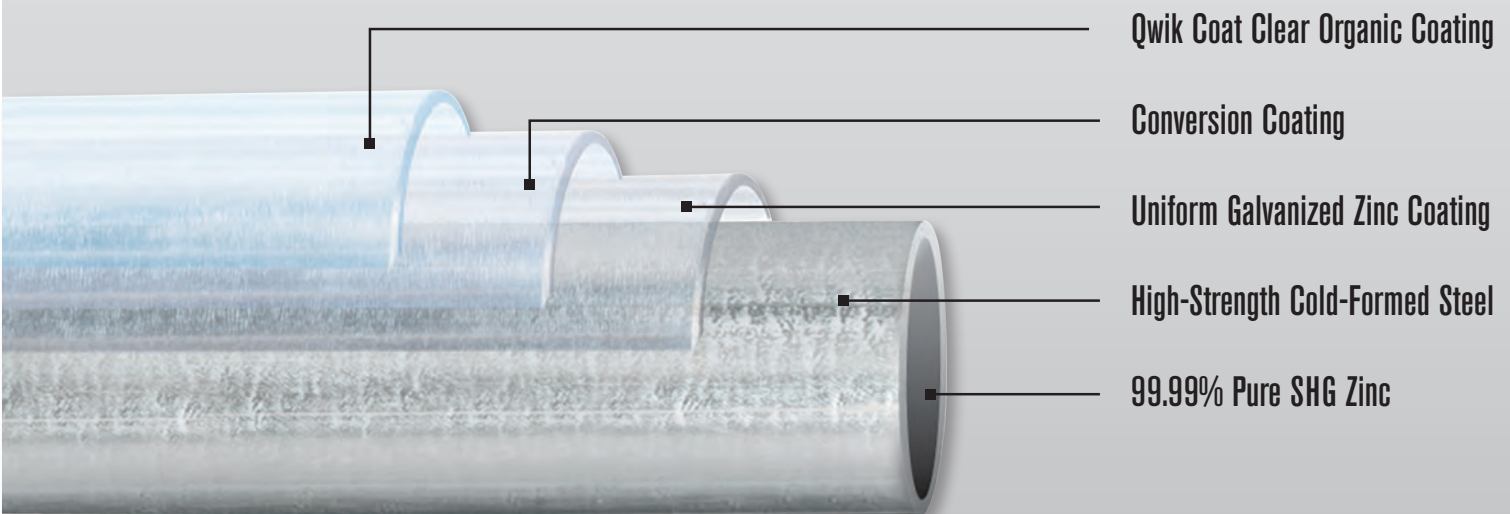
	Flo-Coat/Gatorshield	Hot-Dip (Schedule 40)	Pre-Galvanized
Strength	50 ksi*	30 ksi	40 ksi
Coatings	3 layers	1 layer	2 layers
Wall Thicknesses	Excellent	Limited	Good
Custom Mill Lengths	Any Length	Limited	Any Length
Weld Friendliness	Excellent	Poor	Fair
Zinc Thickness Control	Good	Limited	Limited
Mechanical Suitability	Excellent	Poor	Good
I.D. Weld Seam Coating	Excellent	Good	Poor

*Please refer to Weight Per Foot chart for specific strength information

Process/Capability	Flo-Coat	Gatorshield
Painting	x	
Powder Coating	x	
Fabrication		
Hole Punching	x	x
Bending	x	x
Swaging	x	x
Laser Cutting	x	x
Welding	x	x

Process/Capability	Flo-Coat	Gatorshield
Storage		
Inside	x	x
Outside	x	x
Extreme Corrosive Conditions		x

LAYERS OF PROTECTION



STRENGTH - CORROSION PROTECTION - WORKABILITY

FABRICATION

In addition to manufacturing tubular products, Allied Tube & Conduit offers a range of special fabrication services to provide assistance with product enhancement.

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

- Maximum bundle size: 20" x 24" high
- 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

When calculating WIP for the laser, please add the following to the multiple length: 6" to any tubular product that is welded or 8" to roll form products.

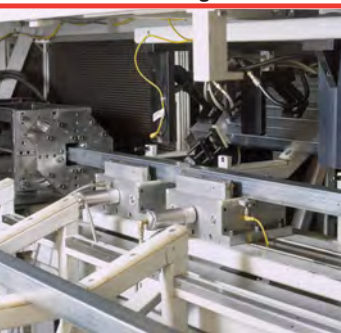
CNC Bender



The CNC machine has the ability to import files from 3D CAD directly to bender controls and reduces program development time. The bender works with existing tooling. 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. Min: 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

Draw Swager



Draw Swaging gives Allied an advantage in the tubing industry with the ability to swage large squares and rectangles. As with any ram die, the swage that is produced is smooth and free of segment lines. These machines are capable of swaging one or both ends of the tubing.

- Square/Rectangle O.D. range: 0.625" - 4.000"
- Gauge range: 11 - 20 gauge
- Tube length range: 12" - 294"
- Length of swage: 1" - 7"
- Std length tolerance: $\pm 1/8$ "

Large Segment Swager



The large segment swager can swage round tubing as large as 5.000" OD, and as heavy as 8 gauge. On a segment swager, the die opens to the size of the mother tube, then squeezes the tubing down to a specific dimension. During the swaging process, some minor ridges are formed on the swaged area.

- O.D. range: 1.315" - 5.000"
*Inquire regarding smaller O.D. capabilities
- Square/Rectangle O.D. range: 0.625" - 1.500"
- Gauge range: 10 - 20*
- Tube length range: 18" - 288"
- Length of swage: 1" - 8"
- Std length tolerance: $\pm 1/8$ "

* Wall thicknesses heavier than 12 gauge (.109" nominal may require a second pass to produce a swage longer than 4 inches.)

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: $\pm 1/16"$
- Steel types: 1008 - 1022

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

Ram/Segment Swager



A ram swage is a fixed die that produces a smooth swage with no segment lines. The downside to a ram swage is that there is no adjustment in the tooling. If the wall thickness varies a little or if the O.D. is slightly larger or smaller, the fit of the swage will vary.

With a segment swage, there is some adjustment to accommodate variations in the weld seam height,

wall thickness, and O.D. dimensions. Because the die actually opens and squeezes the tube, you do get some ridges formed on the swage. Allied has developed a taper swage that firmly seats swaged pieces when joined.

- O.D. range: 0.706" - 2.875"
- Gauge range: 14 - 20 in segment mode or 16 - 20 in ram mode

- Tube length range: 12" - 300" in segment mode or 18" - 60" in ram mode
- Length of swage: 1" - 3" in either segment or ram mode
- Std length tolerance: $\pm 1/8"$ in both segment and ram mode
- Depending on the amount of reduction, lengths up to 300" can be swaged

Scotchman Cold Saw



There are two Scotchman 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 Scotchman saws provide precise tolerances and leave a minimal burr. Our cold saws are also capable of cutting steel bar and 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': $\pm 1/32"$
- Std length tolerance over 10': $\pm 1/16"$
- Steel types: 1008 - 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': $\pm 1/32"$
- Steel Types: 1008 - 1022

Punching



Allied has punch presses ranging in size from 10 tons to 125 tons. Tubular applications of the punch press include: piercing, notching, flattening, coping, punching, slotting (with or without a mandrel) and specialty re-cutting. Flat stock and plate can be stamped to produce brackets and fittings.

Welding



Capabilities include MIG and resistance welding of tubing and plate stock to produce custom parts

Other value-added services

- Assembly
- Crimping
- Deburring
- End Finishing
- Expanding
- Flaring
- Fulfillment
- Labeling
- Packaging
- Powder Coating
- Prototyping
- Sourcing

APPLICATIONS

With such a wide-range of uses, Allied Tube & Conduit's in-line galvanized tubing represents versatility.

COMMUNICATIONS

For a number of years, Allied's Flo-Coat® and Gatorshield® steel tubing products have been commonly used in the communication industry. Whether it's a mounting pole for a satellite dish or a cut-to-length component for a communication tower, Allied has your needs covered. Our in-line galvanized tubing offers superior corrosion resistance while offering the formability and needed strength to support your products.

ACCESS FLOORS

Because of the cold working, heating and quenching of our tubing, our in-line galvanized steel tubing products exhibit greater strength characteristics typically required for the pedestals used for access floors. Allied products offer excellent structural rigidity and superior load carrying capacity. We offer a variety of sizes and shapes to meet your needs.

SATELLITE POLES

Optimize your ground dish mount with Allied's Gatorshield® steel tubing. We are the preferred vendor for some of the leading satellite dish manufacturers. Our long lasting triple layer of corrosion protection is ideal for outdoor and high-moisture applications. The excellent strength and driveability of our round tubular product makes it an ideal choice for satellite poles. Installations are easier since our product is easy to form, flatten and swage.

COMMUNICATION TOWERS

Allied's in-line galvanized steel tubing with Gatorshield® protection eliminates extra processes and freight that is associated with hot dip products. Gatorshield lasts longer in outdoor environments because of the heavier layer of zinc that is applied. The Gatorshield products are offered in a large portfolio of sizes that can be cut-to-length and are easy to fabricate. Our products can be bent, flattened and/or swaged without sacrificing the integrity of the coatings.



VINEYARD STAKES case study

Allied Tube & Conduit's steel tubing is well-known in the agricultural industry for its triple layer protection and durability. Our engineers looked into the problems that vineyards were experiencing and solved several. Now, Allied is bringing their Improved Vine Training System to the vineyard industry and the response has been great!

Problem: The majority of vineyards are trellised with either wood, t-posts, or roll formed steel sections. Approximately 10% of bent, broken or decayed stakes are replaced each year due to tough soil conditions, wind, and chemical corrosion. In some states, growers must endure costs for the removal of treated wood. Not only that, they spend money on various forms of clip or nail accessories to hang the trellising wire.

Solution: This is where years of making steel tubing and in-line coating expertise comes in. The Allied team designed a 1 1/2" 16 gauge, galvanized, square tube with engineered notches along two sides of the tube.



AGRICULTURAL

Allied Tube and Conduit® steel tubing products are used in a wide variety of agricultural products. Allied's unique triple-layer galvanized coating not only creates a formidable barrier between steel and the environment, it also provides an easy-to-fabricate surface that can be easily welded, bent and/or flattened without any deformation of the coating. With increased structural rigidity, greater load-carrying capacity and impact resistance, your agricultural products will be durable, functional and attractive for years to come.

DAIRY STALLS

Allied's Gatorshield® coating is the preferred choice for dairy stall manufacturers. The Gatorshield steel tubing advantages are its ease of fabrication (bending, welding, swaging), unsurpassed corrosion protection and excellent strength. Our in-line galvanized process provides 99.99% pure SHG zinc, triple coat that is smooth and lead free for a long lasting protection against rust and harm to precious stock.

FARM GATES

The formable, weld friendly and excellent strength of Allied's Gatorshield® corrosion resistant steel tubing provides long lasting farm gates eliminating the need to paint or use secondary operations. Our in-line galvanized process provides 99.9% pure SHG zinc, triple coat that is smooth and lead free.

HORSE TRAILERS

Let Allied's engineers help you find the right steel tube for your trailers that is light in weight, has superior strength and unmatched corrosion protection. The ease of bending, swaging and welding are advantages of using Allied's Gatorshield steel tubing. Our galvanized tubing provides superior weld-zone integrity vs. comparable welded aluminum extruded products.

IRRIGATION SYSTEMS

The strength and durability of Allied's galvanized steel tubing is made to withstand wind and weight for years and provides structural support and corrosion protection.

VINEYARD SOLUTIONS

Allied Tube and Conduit® can offer a patent pending, Improved Vine Training System that utilizes a 1.5" square Gatorshield® steel tube with engineered notches. The notches help to reduce the vineyard maintenance and labor costs by eliminating the need for clips, nails or other wire attachment devices. The square tubular stake improves driveability with superior strength and durability. The notch system also reduces damage or breakage to vines due to over handling. The galvanized stake is LEED credit eligible and is made of 100% recyclable steel.



THE BENEFITS

- Square shape is able to drive into tough soil conditions
- Triple layer coating protects the steel from chemicals
- Strength to withstand strong winds
- Engineered notches efficiently hold trellising wires
- Easier to transport near the installer; safer to unbundle
- Steel tubing will last for years, reducing stake turnover
- Steel is 100% recyclable

Allied Tube & Conduit also fabricates to customer specifications providing endless possibilities.



APPLICATIONS CONTINUED

VEHICLE FRAMES

Allied's Gatorshield® steel tubing product is ideal for vehicle frame bodies since it is manufactured with a heavier layer of zinc. In addition to providing added corrosion protection, the Allied products offer better strength characteristics. This enables manufacturers to investigate lighter gauge steel which results in lower assembled frame weight. Allied's clear top coat and 99.99% pure SHG zinc allows for easy welding which is another added benefit for vehicle frame manufacturers.



GARAGE DOORS

With over 20+ years in the garage door market, Allied's steel tubing has been the mainstay with best-in-class performance. Our Flo-Coat product is used to manufacture torsion bars and provides advanced levels of corrosion protection along with higher strength than competitive products in the market today. The result is a cleaner tube that performs better and lasts longer.



MARINE SOLUTIONS

The Gatorshield® steel tubing product is defined by quality and consistency and is specifically manufactured with a unique combination of strength and advanced corrosion protection. Recognized as the industry leader, Gatorshield tubing protects against the highly corrosive marine environments and is the longstanding product of choice in the industry.

MATERIAL HANDLING

Allied Tube and Conduit® provides precision fit steel tubing for improved bearing mount by controlling the inside diameter. Our tubing can be engineered from the "inside-out" which results in the tolerance variation moving to the outside diameter. This ensures a precision bearing fit and a more consistent roller. Allied is the industry expert having sold over 30 million feet of tubing for roller conveyors.



ROLLER CONVEYOR case study

Problem: A North American conveyor manufacturer was seeking a tube with a precision fit inside diameter to ensure that its conveyor system runs properly. Mechanical tube alternatives in the market did not adhere to required inside diameter tolerances creating an inconsistent roller and roller noise.

Solution: Allied Tube & Conduit's Flo-Coat in-line galvanized tubing. Allied Tube & Conduit engineers devised methods to perform inside diameter control on our line of Flo-Coat galvanized tubing, thus providing a remedy for conveyor roll applications. Due to control of the inside diameter the tolerance variation shifts to the outside diameter of the tube. This ensures a precise bearing fit. The end result is a better operating conveyor system with increased package handling efficiency.

PLAYGROUNDS

Keep the playground safe with the added protection of Allied's in-line galvanized steel tubing. Our Flo-Coat® steel tubing, which is CPSIA compliant, will resist flaking and chipping with advanced corrosion protection while allowing easy formability. By utilizing Flo-Coat® as the substrate material your powder coated playground products will have a greater resistance to corrosion if exposure does occur. With over 20 years of experience in the commercial playground market, Allied tubing has demonstrated best-in-class performance.



SHELTER SOLUTIONS

Since the industry's early days, Allied's Gatorshield® steel tubing has been the preferred choice for fabric covered structures and the greenhouse market. No other tube can offer excellent strength, unsurpassed corrosion protection and easy formability in a large portfolio of sizes. Gatorshield is time-tested and proven in mechanical and structural applications ranging across 60+ industries. Allied Tube & Conduit meets the yield, tensile, elongation and wall thickness requirements as specified by the G40.21 50W as required by the A660 Canadian Building Code for fabric covered structures.



FABRIC COVERED BUILDINGS case study

Problem: A North American fabric building manufacturer needed tubing that was not only strong, but fabricated without degrading the coating. They also needed a single supplier who could meet the sizing requirements of different building designs.

Solution: Allied Tube & Conduit's Gatorshield in-line galvanized tubing. The availability in a number of OD and gauge combinations, used in conjunction with specific steel grades, allow the tube to meet certain strength requirements. The Gatorshield product demonstrated its ability to be fabricated by keeping the coating intact after bending, cutting or swaging. The end result was a leaner supply chain that produces fabric buildings more efficiently.



SOLAR SOLUTIONS

The formable, weld friendly and excellent strength of Allied's Gatorshield® corrosion resistant steel tubing provides long lasting solar components eliminating the need to paint or use secondary operations. Our in-line galvanized process provides 99.9% pure SHG zinc, triple coat that is smooth and lead free.

SOLAR case study

Problem: A large commercial solar systems provider needed high strength tubing for their panel mounting structure. They also required a fully fabricated part, delivered directly to the job site.

Solution: Allied Tube and Conduit's Gatorshield in-line galvanized tubing was the ideal solution for this solar systems provider. We were able to provide a large OD and heavy gauge tube using a higher carbon steel that met the customer's specific strength requirement. With our secondary fabrication capabilities, we were able to provide a component directly to the job site that included all the mounting features for an efficient, cost effective installation. The Gatorshield product with its smooth, consistent galvanized coating provided unmatched corrosion protection and the coating stayed intact after punching, cutting and swaging.



PERFORMANCE PLEDGE

We guarantee a minimum 50 ksi yield and 55 ksi tensile on many of our products with the ability to achieve even higher properties. Compared to Schedule 40 pipe at 30 ksi, Allied Tube & Conduit's tubing provides a variety of higher strength alternatives. Please refer to Allied Tube & Conduit's Weight Per Foot (WPF) Chart for specific specifications.

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Allied Tube & Conduit's tubing is also capable of being fabricated using several different methods including hole punching, cutting, flattening, bending, swaging and more without the degradation of the coatings. All of these operations can be performed without cracking, flaking or otherwise damaging the integrity of the coating.

There is nothing standard about our mill cut lengths. We produce the lengths that you require for your applications. Custom mill lengths from Allied Tube & Conduit allow you to minimize the scrap generated when having to cut standard lengths of pipe products.

Foundation of a Healthy Vine and Quality Wine

Allied's Improved Vine Training System* provides an optimal solution to reduce your vineyard maintenance and labor costs with:

- Engineered Notches
- Efficient Installations
- Excellent Protection

Preserve your vineyard with a great foundation!

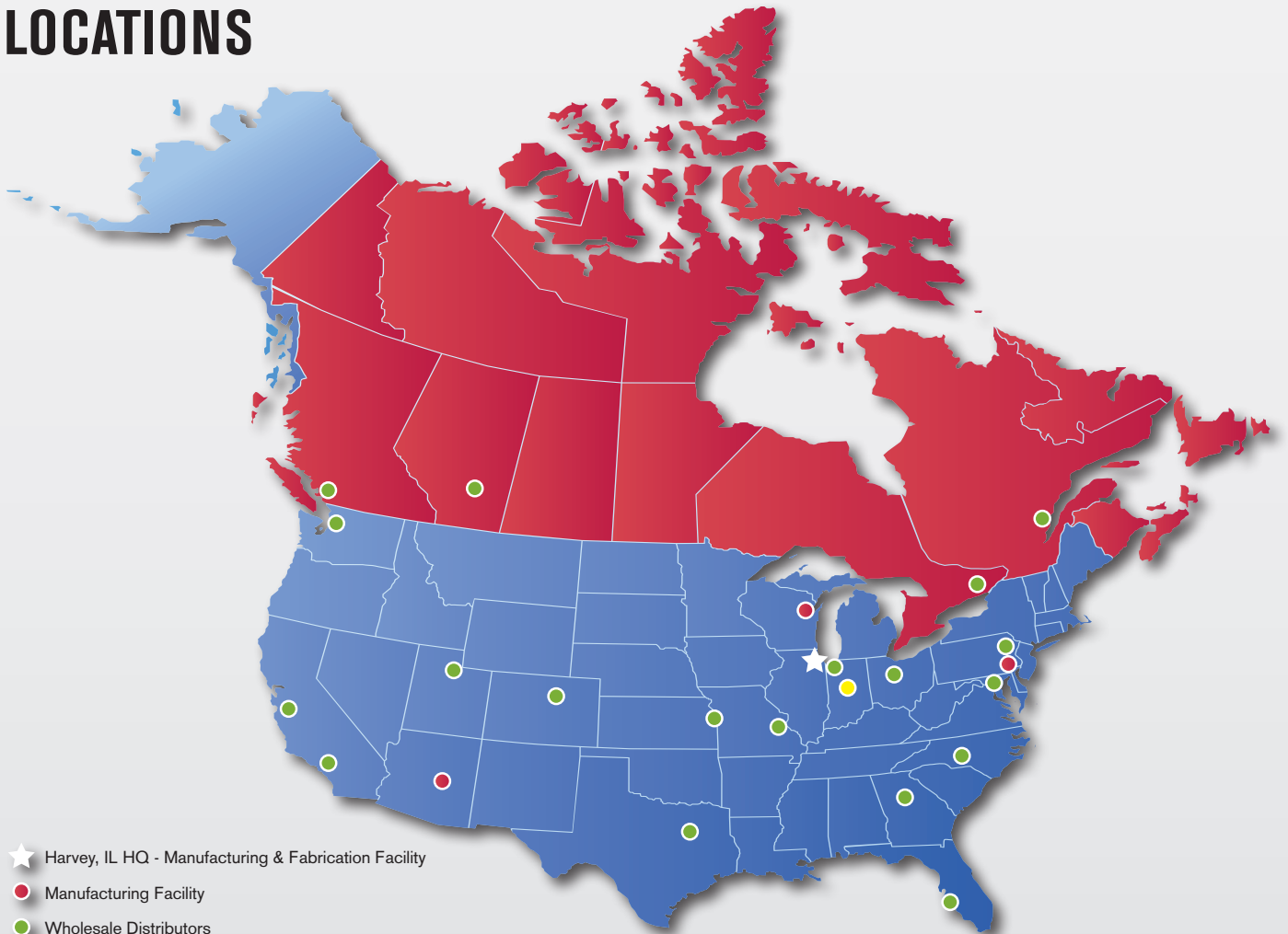
*Patent Pending

allied
TUBE & CONDUIT®

A PART OF **atkore**
INTERNATIONAL

atc-mechanical.com

LOCATIONS



- ★ Harvey, IL HQ - Manufacturing & Fabrication Facility
- Manufacturing Facility
- Wholesale Distributors
- Fabrication Facility

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