



Fabrication Experts for Cooling Towers



Custom Manufacturing Excellence: Rapid Delivery

Step into CTR's custom fabrication and manufacturing world, where we blend cutting-edge tech with years of hands-on experience. Our facilities aren't places that meet industry benchmarks; they establish new ones. At CTR, our team is committed to quality and efficiency, allowing us to deliver custom solutions rapidly and setting a new pace for the industry.

It doesn't matter whether you're looking for standard components or custom solutions; we have the technology and expertise to deliver quality results every time.

From Your Idea to Finished Product

At CTR, we have cutting-edge CNC machines. These machines are precise, ensuring every part is made perfectly every time. This means you get precisely what you need with no compromises. Our design team doesn't just work with blueprints - we bring your ideas to life using our expertise and know-how. Send us anything from a napkin sketch to a full CAD file, and we can fabricate and deliver your custom solution. This commitment saves time and gets your parts to you faster.

Our range of router tables allows CTR to handle projects of all sizes and complexities. We are equipped to meet your diverse needs, from intricate components to large-scale fabrications. Our facilities utilize TigerStop™ stop gauge material position systems, enabling precise manufacturing of pre-programmed parts according to customer specifications. Our router capabilities include:

- A 10' x 24' table for large projects MultiCam 7000
- A 5' x 20' table for mid-range applications MultiCam 5000
- A 5' x 10' table for more compact work MultiCam 5000

All of our CNC machines use vacuum tables to securely hold parts down during fabrication increasing speed and productivity.

Our design staff can create detailed drawings from PDF files or handwritten take-offs, and easily convert AutoCAD .dwg or .dxf files into G-code for machine fabrication. This streamlined process significantly improves turnaround time for our clients. Our custom nesting capabilities minimize waste which provides cost savings for our clients.





TigerStop Accuracy

We use computer-controlled TigerStop systems to machine precise hole locations during fabrication.

What We Can Do

We've filled our shops with a wide range of machinery to tackle any job you need

Krotz Springs Metal Shop:

Our metal fabrication facility specializes in standard and custom parts, offering comprehensive CNC cutting, forming, and welding of aluminum, carbon steel, and stainless steel. The facility features:

- Geka Hydracrop 80 ironworker for punching, notching, angle cutting, and shearing
- Welding capabilities for materials from 22 gauge up to 1/2 inch thickness
- Advanced plasma cutting systems for precision work



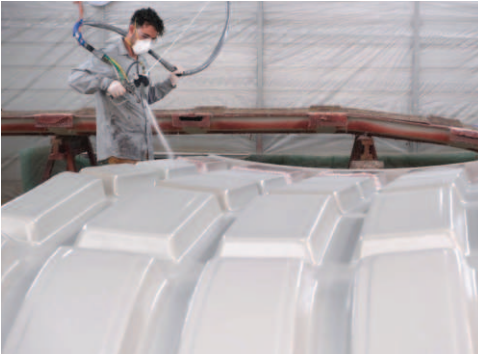
Plasma Cutting:

Our SparX™ PRO 10 Plasma Table delivers over 21,000 watts of plasma power. This advanced system handles materials up to 10 feet in length and 5 feet in width, with a 1-inch pierce capability. We achieve rapid cutting of thick metals with a 100% duty cycle.

Wood Working:

- Our Cantek HP300PBX Tilting Bed Horizontal Resaw handles lumber up to 14 inches wide with a maximum workpiece size of 12" x 12" (305mm x 305mm)
- Multi-head gang drills and drill presses for precise hole drilling and custom shear plate installations
- Diamond-tipped and carbide blades for cutting fiberglass, lumber, and plywood





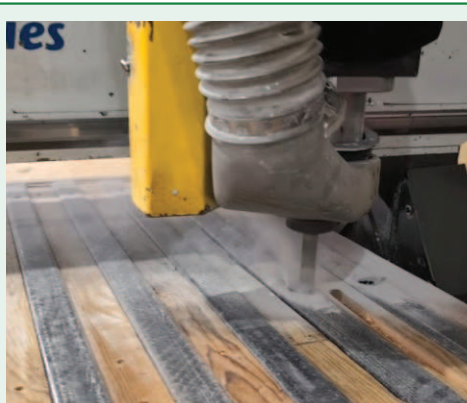
Fan Stack Know-How:

Our facility features state-of-the-art spray booths with Magnum Venus Patriot Chop/Wetout systems providing:

- Unprecedented precision and power
- Less than 1% catalyst-to-resin variance
- Solutions for porosity, pre-release, post-curing, cracking, alligatoring, and inconsistent thickness issues
- Multiple resin capabilities from polyester to vinyl ester general purpose to fire retardant

FRP Expertise:

- We're the go-to guys for custom FRP header pipes
- Our CNC machines precision drill PVC laterals, so they're ready for adapter installation
- We make custom FRP pipe saddles with stainless steel or plastic liners to fit your exact needs



Assembly Masters:

From louver assemblies to complex ladders and platforms, we put it all together accurately. Our FRP and lumber/plywood assembly capabilities include distribution boxes, access ladders, cage ladders, platforms, and pre-assembled stair stringers as part of the fiberglass free-standing stairways product line.



Why Choose CTR?

Our fabrication skills translate to tangible benefits for you:

✓ **Precision:**

Our computer-controlled machines ensure every part is spot-on every time.

✓ **Speed:**

We can turn around some projects in just two days.

✓ **Flexibility:**

From fiberglass to wood, we've got the tools and know-how to build what you need.

✓ **Quality:**

We double-check at every step to ensure you get parts that last.



**Want to see how our precision fabrication can boost
your cooling tower's performance?**

Call us, email us, or visit our website today!

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