



CHICAGO TUBE & IRON

FOUNDED IN 1914

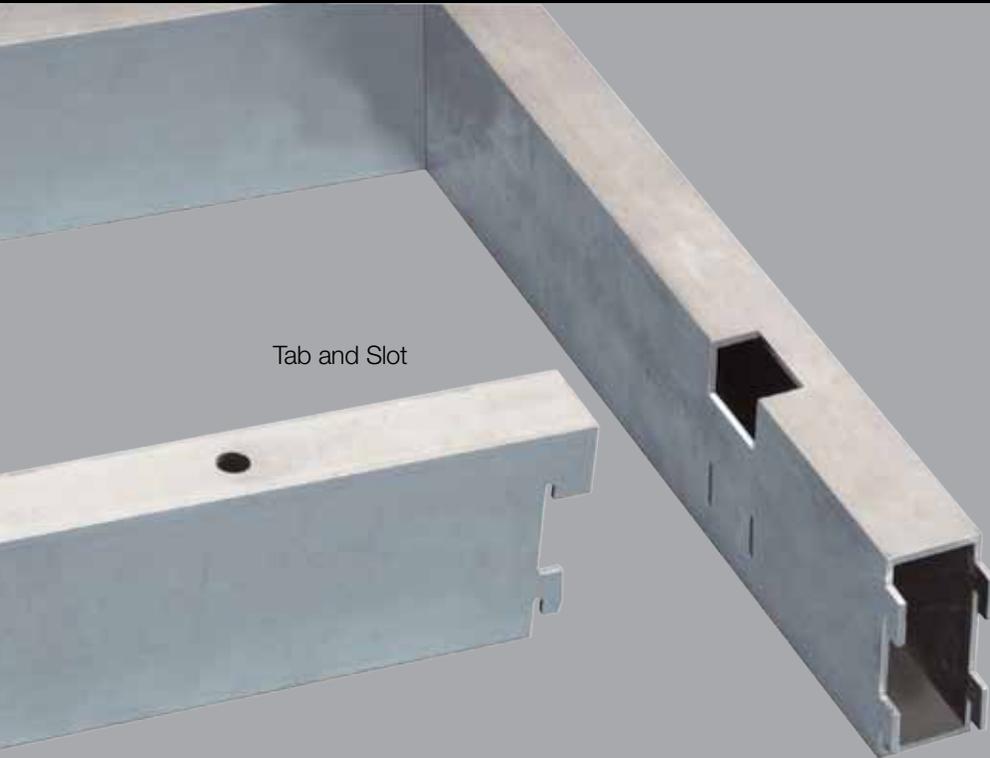
FABRICATED PARTS



ISO CERTIFIED

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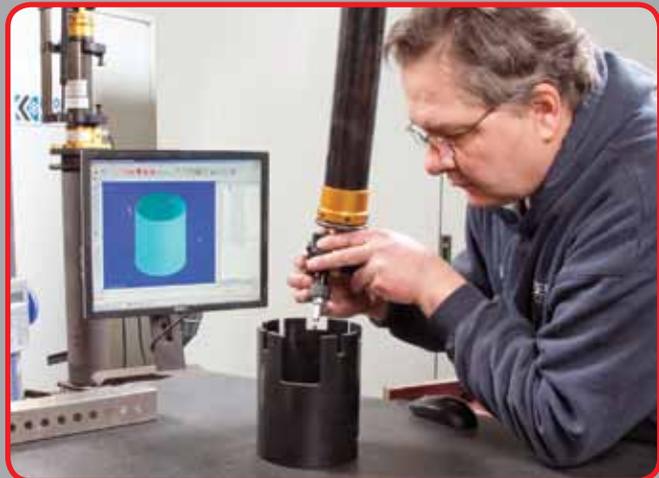
STATE OF THE ART



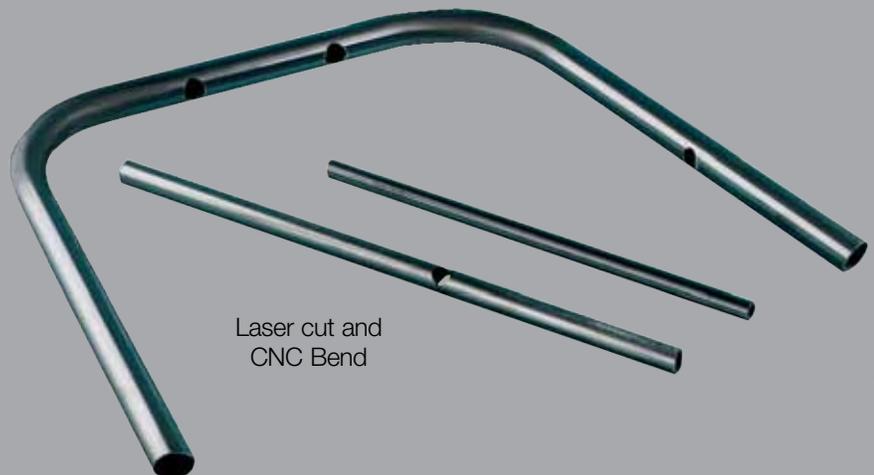
Tab and Slot



Superior part to part fit up



Flexible CMM



Laser cut and
CNC Bend

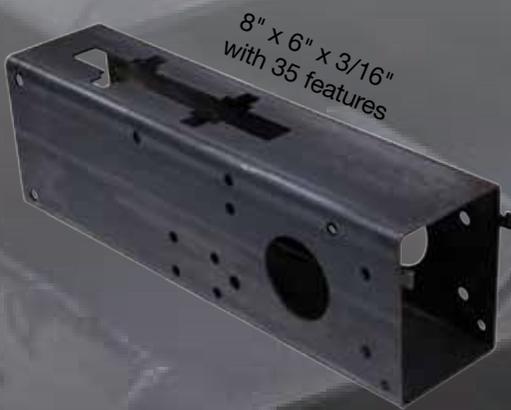
TUBE PROCESSING



CTI is able to ship product JIT, KANBAN, or in Kits as required



5"x5"x3/8" wall tube, 30 features with hole tolerance +/-0.005"



8" x 6" x 3/16" with 35 features



6" x 3" x 3/8"



6" OD x 1/8" wall with offset holes

The CTI lasers cut a variety of geometries from all sizes and shapes of tubing. One of the smallest parts is 1/2" diameter x .025" thick, which is a simple cutoff. One of biggest is cut from 10" x 10" x 7/8", cut to 20' with 250+ holes and slots.

The Chicago Tube and Iron Difference

Lasers equal consistent, repeatable quality

Due to the non contact nature of the cutting process, parts produced by a laser are exceptionally accurate, while the geometries cut out of the material remain dimensionally consistent throughout the production run.



	Mazak 300	Mazak 150	Adige LT8	Adige 712D (2 units)	Adige LT14
Max. Workpiece Length	26.25'	26.25'	26'	26'	40'
Round Shapes	6" up to 12"	2" up to 6"	5/8" up to 8.25"	1/2" up to 3"	up to 14"
Square Shapes	5"x5" up to 10"x10"	2"x2" up to 6"	1"x1" up to 8"x8"	3/4"x3/4" up to 2"x2"	up to 10" x 10"
Thickness	Carbon 1" Stainless 1/2"	Carbon 1" Stainless 1/2"	Carbon 1/2"	Carbon 3/8" Stainless 3/16"	carbon 5/8" stainless 3/8"
Cut Profiles	6 Axis: 3D&2D	6 Axis: 3D&2D	6 Axis: 3D/2D	4 Axis: 2D	5 axis: 3D
Max In-Feed Length	26'-6" tubing	26'-6" tubing	27'-6" tubing	26'-4" foot tubing	40' foot tubing

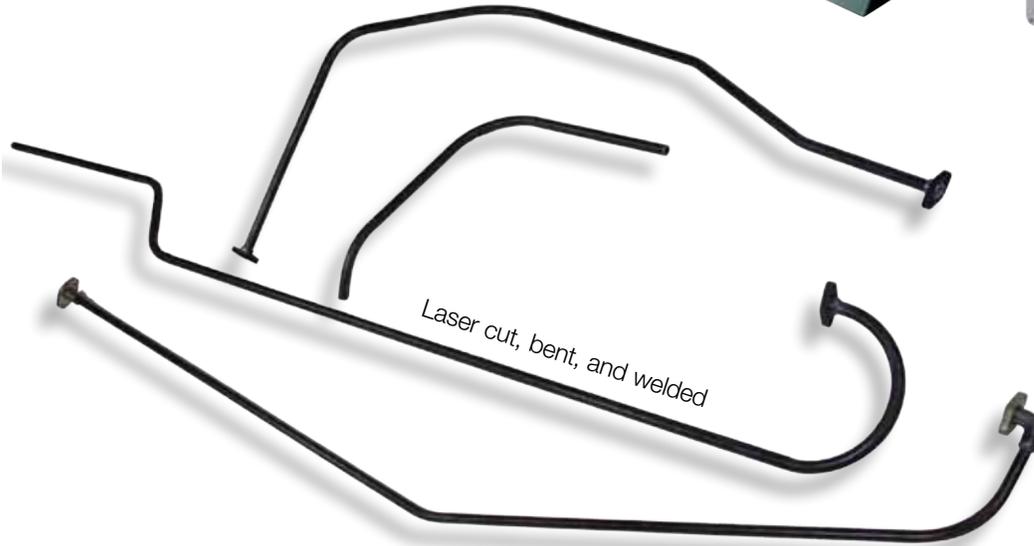


KEY INDUSTRIES SERVED:

- Defense
- Exercise/Athletic Equipment
- Medical
- Industrial Equipment
- Automotive
- Ag & Construction Equip
- Truck/Trailer/RV/Rail Industries
- Sport/Motorcycle/Bicycle Industries
- Oilfield/Heavy Equipment
- Automatic Vending Machines

Tube Bending (Manual and CNC)

Typical Applications:
Hand Rails, Bike
Racks, Playground
Equipment, Heavy
Equipment, Rail
Car Brake Lines,
Construction
Equipment; 3/4" dia
to 8" dia tubing.



Electric - CNC Bender:
Parts bent multiple
times on multiple
planes: Welded
brackets and flanges
on ends, ship to
customer in kits to
simplify assembly
on customers floor.



Pipe Handle requires:
Production Cut Off,
Threading, Swaging,
Powder Coating

FABRICATION SERVICES INCLUDE:

Laser Cutting
CNC Bending
Production Cut off
Machining, Tapping
Threading

Welding (mig, tig, code and non-code)
Coiling
Sawing
Punching, Drilling,
Swaging/Flaring



5 axis

THE NEW 5 axis BLM Adige. One of

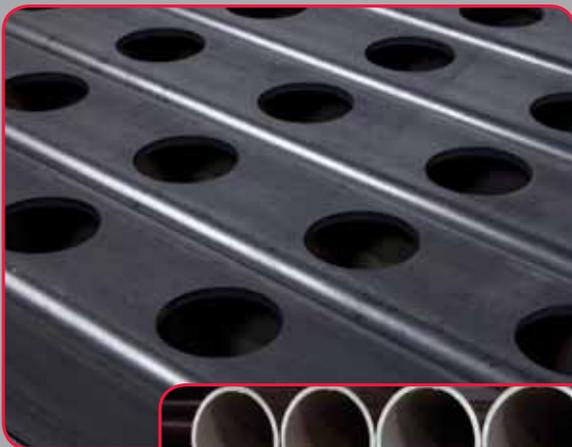


CAPABILITIES:

Laser cut round tube, square and rectangular tube plus open profiles such as I beams, H beams and C channels

CTI'S NEWEST TUBE LASER:

CTI now has the capability in our laser tube arsenal to cut 14" round tubes and handle up to 40' tubes



BLM Adige

the largest machines in North America.



YOUR BUSINESS IS OUR BUSINESS. YOUR FUTURE IS OUR FUTURE.



www.chicagotube.com

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Owatonna Cutting Division

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(Contact your nearest Division)

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