

# Manchester Tool & Die, Inc.

## Production Machining & Tube End Forming Services



- (5) 3-axis HAAS VF1 CNC Vertical Machining Centers – Hi-speed spindles and thru-the-spindle coolant. We also utilize built in pallet changers.
- (5) Okuma CNC Lathes – 2-3/4" diameter thru spindle capacity and 10" diameter x 18" long chuck.
- (3) Swiss Multi-Spindle CNC Lathes – Hydraulic bar feeder, maximum bar diameter for feeder is 1-1/4".
- Multiple Manual Lathes – Largest capacity at 18" diameter x 60" long.
- (5) Bridgeport Mills – Approximate capacity of 22" long x 9" wide x 10" high.



- (8) Okuma CNC Mills – Approximate capacity of 20" long x 10" wide x 8" high.
- (1) Large Manual Boring Mill – 52" wide x 34" high capacity.
- (1) Large CNC Boring Mill – 60" wide x 44.5" high capacity.
- (1) Vertical CNC Mill – 59" long x 24" wide x 30" high capacity.
- (1) 5-axis HAAS VF1 CNC Vertical
- (1) HAAS Horizontal Machining Center – 4th axis, hi-speed spindle and thru-the-spindle coolant. Equipped with a built in pallet changer as well.



- (5) Automatic Hi-speed Cold Saws
- (1) Programmable Hi-speed Cold Saw
- (1) HAAS Mini Lathe – Equipped with a bar loader.
- (1) Makino Horizontal Mill – Equipped with a built in pallet changer.
- (4) Star SR32 Swiss Lathe
- (1) Nakamura Chucker Lathe
- (2) Fanuc Wire EDM
- (2) Chevalier RAM EDM
- (2) HAAS VF1 Super Speed Vertical Machining Centers – Equipped with pallet changers.

Various surface finishing and washing machines to process finished parts. We are also supported by our in-house engineering staff and a complete tool room. Our tool room is capable of designing and producing special tooling, fixtures and gauges.



[www.mtdtube.com](http://www.mtdtube.com)



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## Quality Department

*Founded in 1960, MTD is the leading manufacturer of tube end forming equipment. We occupy a 65,000 square foot facility and maintain an ISO 9001-2008 certification to insure you get the quality product you demand.*



The quality department is equipped with the necessary tools and gages to meet our customers' needs, including:

- Mitutoyo Coordinate Measuring Machine
- Brown & Sharpe Global Performance CMM
- Micro-Vu Vertex Vision System
- Zeiss Surfcom 130A
- Variable Thread Gaging Equipment
- Height Gages
- Outside Micrometers
- Depth Micrometers
- Calipers
- Attribute Thread Gages
- Plug Gages
- Snap Gages



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Made in the  
**U.S.A.**