

TUBE LASER CUTTING

Our FabriGear series laser-cutting machine from Mazak is a three-dimensional laser-cutting tool designed to process a full range of tubes and structures. The machine makes loading raw material into the loading station simple and automatically delivers finished parts to the unloading station. Our tube laser's unique 3D cutting head allows for unsurpassed cutting accuracy at any angle for the best part fit and weld preparation.

TUBE LASER FEATURES:

- ▶ The "L" shape of the machine assures total flexibility for processing round, square, rectangle "C" / "H" / "I" channel, and angle.
- ▶ The rotary chucks in the machine loading and unloading systems are fully synchronized and self-centering for high-level accuracy.
- ▶ The FabriGear offers a full range of material capacities up to 16 inches round, with raw material lengths up to 49 feet.

SPECIFICATIONS

WALL THICKNESS

0.75" maximum on straight cuts

0.50" on bevel cuts maximum
bevel is 5

CONVEYOR SETUP

Can queue up to 5 pieces
of varying material sizes/lengths
at a time

DRAWINGS

Solid model tubing data can be imported directly via 3D .iges, .sat and .step file formats. Manually inputting the tube info, the software is possible but requires more time

LENGTH

49' - 0" maximum

SMALL PARTS CATCHER

Can handle parts up to 27.5";
larger sizes require
manual unloading

TOLERANCES

Are similar to laser table
tolerances +/-0.031" to +/-0.010"
depending on material



ROUND PIPE

Min Diam: 0.79"
Max Diam: 16"



CHANNEL

Min: 0.79" X 0.79"
Max: 10" X 10"



WIDE FLANGE

Min: 0.79" X 0.79"
Max: 6.5" X 6.5"



SQUARE/REC. TUBE

Min: 0.79" X 0.79"
Max: 12" X 12"



ANGLE

Min: 0.79" X 0.79"
Max: 10" X 10"



OTHER SHAPES

Min: 0.79" X 0.79"
Max: 10" X 10"

*At Owen Industries, we are proud
of every job we do and we welcome
the opportunity to work with you.*



500 Avenue H,
Carter Lake, IA 51510

844.963.8257
Sales@PVSteel.com

owenind.com