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 |
| LENGTH         | 49' – 0' maximum |
| SMALL PARTS CATCHER | Can handle parts up to 27.5"; larger sizes require manual unloading |

**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

**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”

**ANGLE**

Min: 0.79” X 0.79”  
Max: 10” X 10”

**SQUARE/REC. TUBE**

Min: 0.79” X 0.79”  
Max: 12” X 12”

**WIDE FLANGE**

Min: 0.79” X 0.79”  
Max: 6.5” X 6.5”

**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.