

## **Laser Processing Machine for high-speed cutting of small diameter pipe material 「FT-150 FIBER」**

Yamazaki Mazak Corporation has announced the start of sales in Japan of the FT-150 FIBER, a Laser Processing Machine for high-speed cutting of small diameter pipe material.

Small diameter pipe material (under  $\Phi 150\text{mm}$ ) is widely used for making vehicle frames and by the furniture and building material industries. The FT-150 FIBER developed for these types of large production volume applications performs with high productivity and high quality cutting of small diameter round or square pipe material.

In order to perform continuous operation to realize the maximum productivity, the bundle stocker / lifter ensures only one piece of pipe material is loaded at a time. The laser head B-axis provides the ability to perform high accuracy bevel cutting. To ensure high precision positioning, the pipe material is measured and automatically compensated for any material distortion.

Other innovative functions of the FT-150 FIBER include detection of a pipe weld seam to determine the required radial position for cutting. The available internal spatter guard prevents spatter from adhering and laser burning to the internal workpiece surface. In addition to tapping holes, the optional rotary-tool spindle unit can also perform thermal drilling.



### **FT-150 FIBER for high-speed cutting of small diameter pipe material**

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