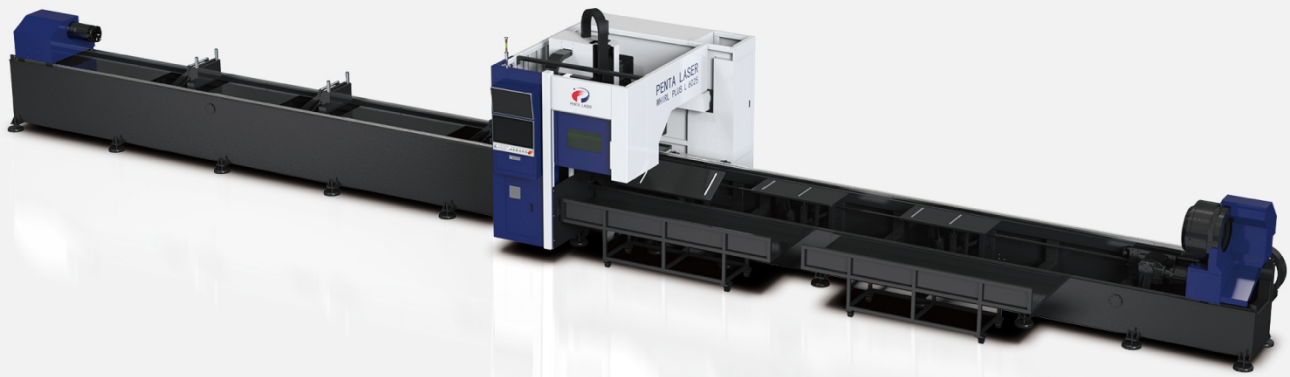
Profile Cutting Solutions

WPL Series Three-chuck Laser Tube Cutting Machine

WPL Series Three-chuck Laser Tube Cutting Machine is designed for processing round, rectangular, square, oval, and certain special-shaped tubes. Its three-chuck structure enables high-precision machining of long workpieces while allowing shorter remnant cutting.



Characteristics

- Horizontal bed structure with servo follow-up supports at loading end and servo-driven turnover device at unloading end.
- Equipped with precision square chucks offering high sealing, strong clamping force, and a wide gripping range.
- Three-chuck design enables zero-point cutting and zoned unloading for both long and short work pieces.

Optional Configurations

Semi-automatic Loading / Automatic Loading System (from bundle)	
Weld Seam Recognition System	Bevel Module

Technical Parameters

Model	WPL 6025/9025	WPL 6028/9028
Laser Power (kW)	3 - 6	3 - 6
Maximum Loading Length(m)	6.5 (9.5 Optional)	6.5 (9.5 Optional)
Linear Axis Repeated Positioning Accuracy(mm)	±0.03	±0.03
Linear Axis Maximum Speed(m/min)	90	90
Rotational Axis Maximum Speed(rpm)	100	100
Rotational Axis Repeated Positioning Accuracy(Arc minutes)	±8	±8
Profile Range(mm)	Φ20 - 240 □20 × 20-240 × 240	Φ20 - 270 □20 × 20-270 × 270
Maximum Bearing Capacity of Tube(kg/m)	45	60
Chuck Control Type	Pneumatic Square Chuck	
Unloading Length(m)	6.5 (9.5 Optional)	
Support Type	Loading Floating Support / Unloading Flipping Device	

Applications



Construction Machinery



Fitness Equipment



Automobiles