Profile Cutting Solutions

NLD Series Dual-chuck Laser Tube Cutting Machine

Penta Laser NLD Series Dual-chuck Laser Tube Cutting Machine is designed for processing round tubes, rectangular tubes, and other special-shaped profiles. It is capable of cutting multiple intersecting holes with different orientations and diameters on the tube surface, meeting conditions where the branch axis intersects the main axis either concentrically or eccentrically at a right angle.



Characteristics

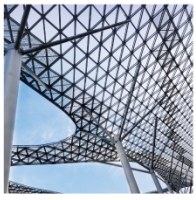
- Supports real-time adjustment of cutting parameters during tube end processing.
- Supports cutting of branch pipe connection features relative to the main circular pipe.
- Supports various cutting methods and joint forms on tubes.
- Supports performing various pre-set truncations.
- Supports graphic cutting on square pipes, round pipes, U-shaped pipes, rectangular pipes, and other profiles.

Technical Parameters

Model	NLD 6012/6017/6024/6028
W1, W2 Axis Travel(mm)	Continuous Rotation
Y-Axis Maximum Positioning Speed(m/min)	90
W1, W2 Axis Rapid Traverse Speed - No Load(rpm)	90
Chuck Clamping Range(mm)	20 - 120 / 20 - 170 / 20 - 240 / 20 - 280
Chuck Control Type(Square Hole)	Full Travel
Total Load Capacity - Front/Rear Chucks(kg)	80 / 150 / 350 / 500
Maximum Loading Length(m)	6

Applications


Construction Machinery


Steel Structures


Special Vehicles


Shipbuilding


Energy Equipment