Profile Cutting Solutions

SEA HORSE I Series H-beam Laser Cutting Machine

Penta Laser SEA HORSE I Series H-beam Laser Cutting Machine is a powerful and user-friendly steel section laser cutting machine. It can process steel sections up to 26m in length, making it especially suitable for the processing needs of industries such as construction, bridges, automobiles, and shipbuilding. Using this equipment can significantly increase production efficiency, reduce costs, and ensure superior cutting quality. Therefore, it has tremendous market potential.



Characteristics

- High-strength crossbeam with precision engineering ensures operational accuracy and stability.
- Rack-and-pinion movement handles H-beams up to 1200mm web width and 500mm flange height.
- Supports high-quality cutting, drilling, keyhole, and weld-through hole processing.
- Flange bevel cutting capability with a maximum angle of 45°.
- Electrically adjustable support width to accommodate various steel profile dimensions.

Optional Configurations

Double Monitors Console	Full Moving Enclosure

Technical Parameters

Model	SEA HORSE I 12120/15120/18120/26120
Y Travel(mm)	2200
Z Travel(mm)	1000
Maximum Speed of X and Y Axes(m/min)	50
A-axis and C-axis Rotate Angles(°)	A - axis: + 90 C - axis: + 90
Positioning Precision of X and Y Axes(mm/m)	± 0.05
Repetitive Positioning Precision of X and Y Axes(mm/m)	± 0.02
Maximum Cutting Range(mm)	Web 1200 × Flange Slab 500
Maximum Cutting Thickness(mm)	12kW: Vertical Cutting ≤ 30 (Bevel cutting ≤ 20) 20kW: Vertical Cutting ≤ 40 (Bevel cutting ≤ 30)

Applications


Construction


Bridges


Automobiles


Shipbuilding