Laser Welding Solution ▸ Standard Welding Series

Standard Welding Platform with Shield

Penta Laser Standard Welding Platform series products are the preferred choice for welding equipment in the precision manufacturing sector, thanks to industry-customized process solutions, intelligent and efficient linkage control, a convenient and fast delivery system, and precise, controllable parameter management—safeguarding the welding production of clients across industries.



Characteristics

- Suitable for small-scale welding in precision sheet metal, medical, sensor, automotive, and new energy industries.
- Adapts laser setups and tooling to specific industries for diverse welding applications.
- Standard welding software supports 3-axis and 4-axis coordinated welding.
- Standard welding platform ensures fast delivery and on-site commissioning.
- Collects key process parameters such as welding power and speed.

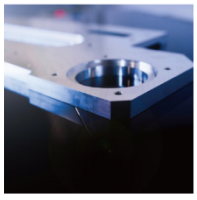
Optional Configurations

Welding Rotary Positioner	Automatic Visual Positioning Calibration

Technical Parameters

Model	IPW 0503S
Equipment Dimensions(mm)	1200 × 1000 × 1800
Air Supply(MPa)	0.5 - 0.7
Power Supply(Hz)	380VAC 50
Laser Type	FFRC - H, FFRC - SM, FFRQ, FFSC
Laser Power(W)	300 ~ 6000
Welding Head Type	Collimatar Head, Swing Head, 2D Galvo, 3D Galvo
Welding Dimensions(mm)	500 × 300 × 200

Applications



Precision Sheet Metal



Medical



New Energy Industries