

Laser Plastic Welding in Production Lines

Compact and Efficient: LPKF InlineWeld 6200 and 6400 Series

- Compact welding head for direct integration
- InlineWeld 6400 with bigger working field
- FineFocus system for precise applications
- Pneumatic or servo-electric clamping module
- Standard ProfiNet Interface for fast implementation



Powerful, Efficient, Compact

LPKF laser welding systems in the InlineWeld series are already working successfully in many production lines worldwide. The LPKF InlineWeld 6200 and 6400 are the first of a new price-performance class for integration systems. Laser plastic welding will thus become attractive for even more applications.

The flexible modules of the LPKF InlineWeld series enable laser plastic welding to be directly and easily integrated into the production lines of a wide spectrum of business sectors: The welding head itself only needs a small amount of space and all of the other features needed are included in the external cabinet. The technical embedding uses standard electrical and mechanical interfaces.

Costs are reduced and system performance boosted, thanks to a clever combination of the most up-to-date components. In addition to the standard optics, a

continuously adjustable fine focus version is available for delicate components.

The welding field measures up to 100 mm x 100 mm or 150 mm x 135 mm (InlineWeld 6400). The system conforms to the laser protection requirements, and corresponds to laser class 1 during production with integrators work piece carrier. In addition, the clamping technology, the cylinder unit and the component holder are all equipped with safety sensors. This makes it really easy to realize installation in production lines.



Integration in conveyor belt system



Integration in rotary table system



Several machines in sequence for higher output rates



Stand-alone solution with assembly stand



Medical custom solution with full stainless steel

Technical data	InlineWeld 6200	InlineWeld 6400
Laser power / diode laser 980 nm	160 W / 235 W / 320 W with air cooling	160 W / 235 W / 320 W with air cooling
Working area	100 mm x 100 mm	150 mm x 135 mm
Clamping unit	Top-down, pneumatic (servo as option)	
Laser class	Class 1 - after integration with work piece carrier	
Welding head dimension (W x D x H)	350 mm x 380 mm x 900 mm	
Control cabinet dimension (W x D x H)	800 mm x 500 mm x 1300 mm	
Options	FineFocus system, HMI interface box for control, TherMoPro for thermographic process control feature	



Made in Germany

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