

Laser Plastic Welding in Production Lines

Modular and Flexible: LPKF InlineWeld 6000

- Modular laser welding head for quasi-simultaneous and contour welding
- Flexible laser system for easy integration – welding head and external control cabinet
- Laser power up to 320 W – air cooled
- LPKF FineFocus set up for precise applications
- Flexible mounting options to production lines



Modular, Flexible, Economical

The all new LPKF InlineWeld 6000 represents the newest and most compact integration machine within the LPKF InlineWeld series.

The modular system consists of a welding head with optics, scanner and f-theta lens together with an external cabinet with laser and control unit. With a flexible adapter plate, the welding head can be easily mounted to specific production line interfaces. Due to a big variety of optics and f-theta lenses, different working fields and spot sizes can be achieved.

The system can be equipped with different air-cooled laser sources which makes the InlineWeld 6000 very energy efficient and ecological. As an option – the air-cooled laser source can also be installed in a separate laser box. Toolings and clamping module are a main part of the integrator with support available from LPKF.



Option: external air-cooled laser box for more machine layout flexibility



Flexible mechanic interface

Technical data	InlineWeld 6000
Laser power / diode laser 980 nm	Up to 320 W with air cooling
Working area	Up to 230 mm x 300 mm (bigger working fields after consultation)
External cabinet size (W x D x H)	800 mm x 500 mm x 1300 mm
Welding head size (W x D x H)	120 mm x 260 mm x 180 mm
Options	FineFocus optics, TherMoPro, PC and software packages



Made in Germany

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