

Laser Plastic Welding in Production Lines

Economical and Most Compact: LPKF RadialWeld 2000

- Laser integration head for radial and contour welding
- Fixed spot size with defined working distance
- Flexible laser system for easy integration – welding head and external control
- Up to 320 W air cooled laser source
- Pyrometer process control with LPKF WeldApp Monitoring
- Flexible mounting to production lines



Economical, Modular and Compact

The all new LPKF RadialWeld 2000 represents the newest and most compact integration machine within the LPKF RadialWeld series.

This modular system consists of a super-compact welding head with a fixed optic for creating a defined spot size within a certain working distance. Around that beam spot the integrator can move and rotate a part for laser welding. For radial welding moving the product circular around that spot, for contour welding moving the part on a x/y axis system.

The laser source itself as well as control units are all stored in an external cabinet.

With a flexible adapter plate, the welding head can be easily mounted to specific production line interfaces.

The system can be equipped with different air-cooled laser sources which makes the RadialWeld 2000 very energy efficient and ecological. As an further option - the air-cooled laser source can also be installed in a separate laser box.



Option: external air-cooled laser box for more flexibility



Flexible adjustable mechanic interface

Technical data	RadialWeld 2000
Laser power / diode laser 980 nm	Up to 320 W with air cooling
Spot size	2 mm or 4 mm as standard (other spot sizes possible)
Working distance	150 mm working distance (other distances possible)
External cabinet size (W x D x H)	800 mm x 500 mm x 1300 mm
Welding head size (W x D x H)	70 mm x 163 mm x 175 mm
Options	Pyrometer with WeldApp Monitoring, TherMoPro, PC and software package



Made in Germany

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