## Laser Plastic Welding in Production Lines Economical and Most Compact: LPKF RadialWeld 2000



LPKF SE, 210923-EN

## Economical, Modular and Compact

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

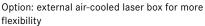
This modular system consists of a super-compact welding head with a fixed optic for creating a defined spot size within a certain working distance. Around that beam spot the integrator can move and rotate a part for laser welding. For radial welding moving the product circular around that spot, for contour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

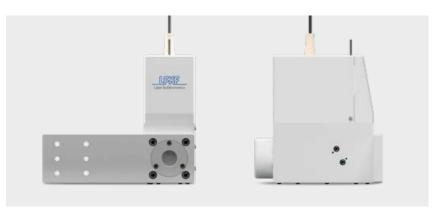
The laser source itself as well as control units are all stored in an external cabinet.

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.







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



## LPKF Laser & Electronics SE (Headquarters)

Osteriede 7 30827 Garbsen Germany Phone +49 (5131) 7095-0 info@lpkf.com www.lpkf.com

## LPKF WeldingQuipment GmbH

Alfred-Nobel-Str. 55 - 57 90765 Fürth Germany Phone +49 (911) 669859-0 sales.laserwelding@lpkf.com www.lpkf.com

