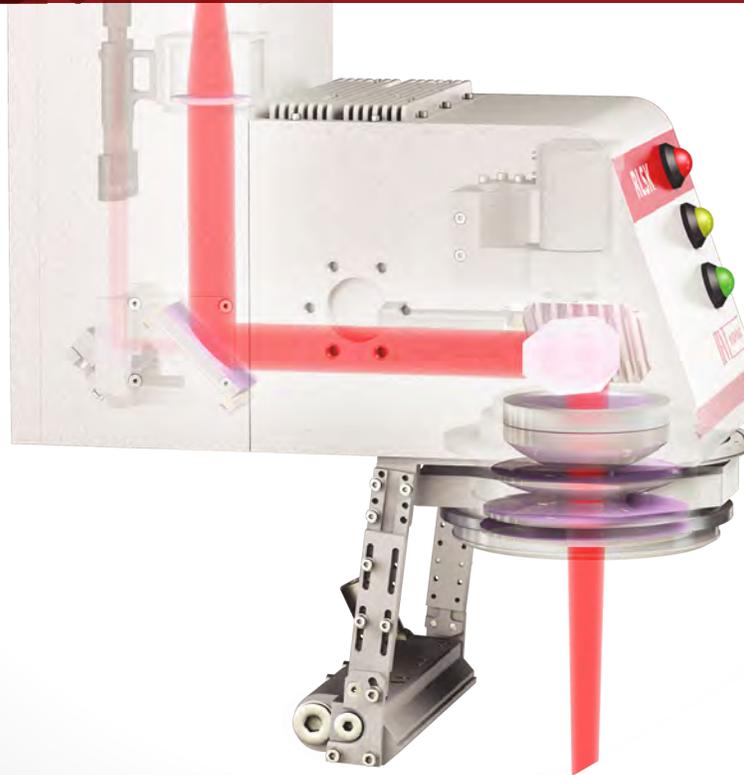# II-VI

New 3D Remote Laser Welding Head

RLSK
with Omni-directional
Seam Tracking

The new seam tracking feature of the RLSK ensures welding on the right position which is essential for advanced welding applications. The feature is based on fast, stable and direction independent image recognition. Customer benefits from superior image quality, high accuracy and detection of even smallest deviations from the programmed seams including curved seams. This enables new applications for remote laser welding such as fillet welding or butt welding with defined offset values.
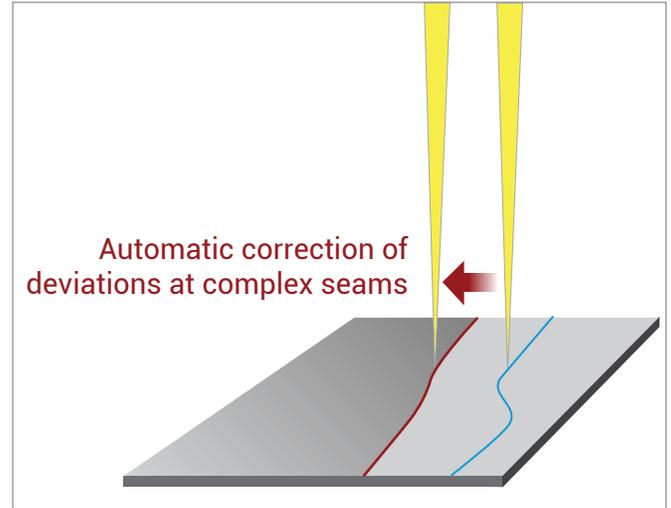
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RLSK with Omni-directional Seam Tracking

Features

- Now with 2x faster scanners for faster focus positioning
- Superior weld quality due to f-Theta technology
- Extended software suite with new features and enhanced robot communication
- More options for process observation available

Optional seam tracking feature for full position control
- 360° omni-directional
- "Welding on the fly" across the entire workspace
- High processing speeds of more than 10 m/min

Automatic correction of deviations at complex seams

Applications

- Welding with high requirements on position accuracy
  - Batteries
  - Electric motors
  - Power train components
- Welding with high requirements on weight reduction
  - Car doors
  - Car seats
  - B-pillars