

# LPKF ATA

## Laser Welding of Absorbing to Absorbing Plastic Parts

All the advantages of laser plastic welding – such as process stability, cleanliness, localized energy input, and fast cycle times – are now achievable for bonding two laser-absorbing materials. LPKF's ATA technology expands the range of laser-weldable parts beyond current limitations. This innovation enables successful laser welding of complex 3D geometries, a broader spectrum of materials, various colors and properties.

- Compact stand-alone welding machine
- Fast part movement and clamping (patent pending) for optimized cycle times
- Laser power from 2 to 4x lasers
- Laser-welding working field up to 400 mm x 300 mm for maximum flexibility\*
- Clamping force up to 14 kN
- Fast and easy process set up with LPKF ProSeT 3D
- Online process control before (via LPKF TherMoPro) and during clamping (force and melt travel)
- LPKF WeldOS software for scanner control, traceability, monitoring and contour management

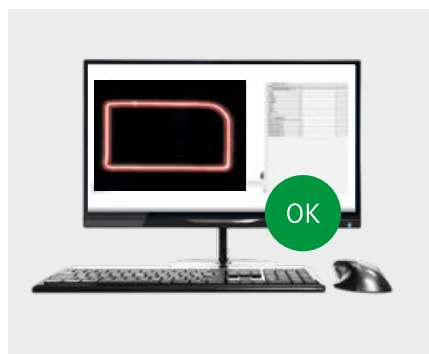
\* Larger working fields can be assessed individually, depending on the specific cases



### Ecological, Flexible and Efficient



Ecological laser welding of absorbing to absorbing plastic parts



Flexible online process control



Efficient LPKF WeldOS Software

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