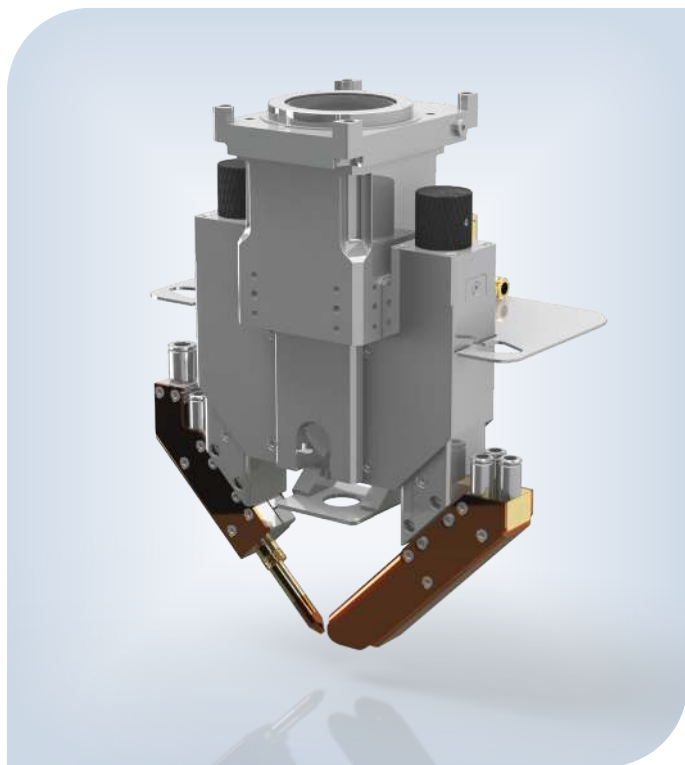




Laser welding unit with wire

Tooling for FLW D50 series optical heads



Laser welding unit with wire – specially designed compact multifunctional tooling for industrial optical heads for laser welding / cladding / heat treatment. The attachment is fully compatible with FLW D50 heads.

Purpose:

- Protection of the optical components of the laser head from spatter and fumes;
- Feeding of the filler wire and adjustment of its position relative to the laser beam;
- Supply of shielding gas to the processing zone;
- Tracking of the welded joint or the processed surface (with a 2-D scanner included);
- Distribution block supplying liquid to the water-cooled elements.



Applications

- ▶ Automatic laser welding
- ▶ Automatic laser welding with filler wire feed
- ▶ Laser wire cladding
- ▶ Laser heat treatment



Distinctive features

- ▶ Multifunctionality
- ▶ Suitable for processes with long laser operating cycles
- ▶ Safe break-away system
- ▶ Compact and manoeuvrable
- ▶ Modularity

Key specifications

Wire diameter, mm	0.8-1.2
Built-in optics protection and shielding gas supply system	Yes
Supported head focal lengths, mm	250 and above

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