LASERTECHNIK & APPLIKATIONEN GMBH

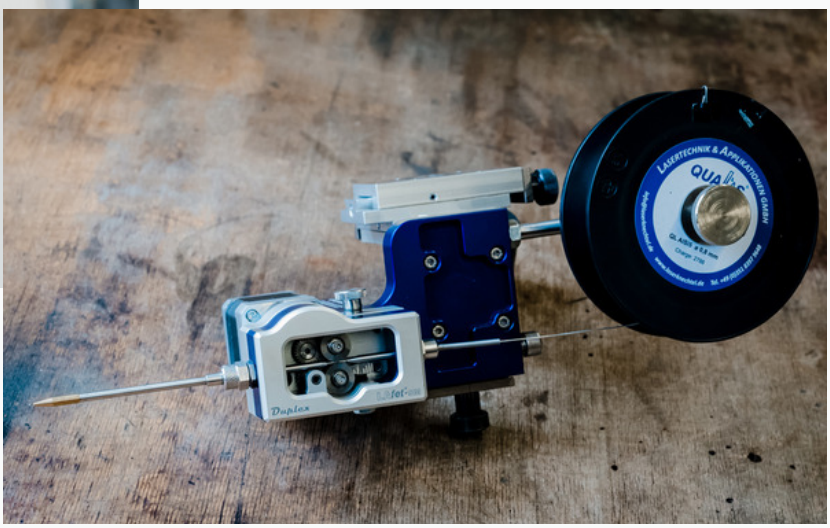
IHR PARTNER FÜR DIE LASERMATERIALBEARBEITUNG IN INDUSTRIE UND HANDWERK

# LAfet®-SM Duplex

## Programmable laser wire feed system

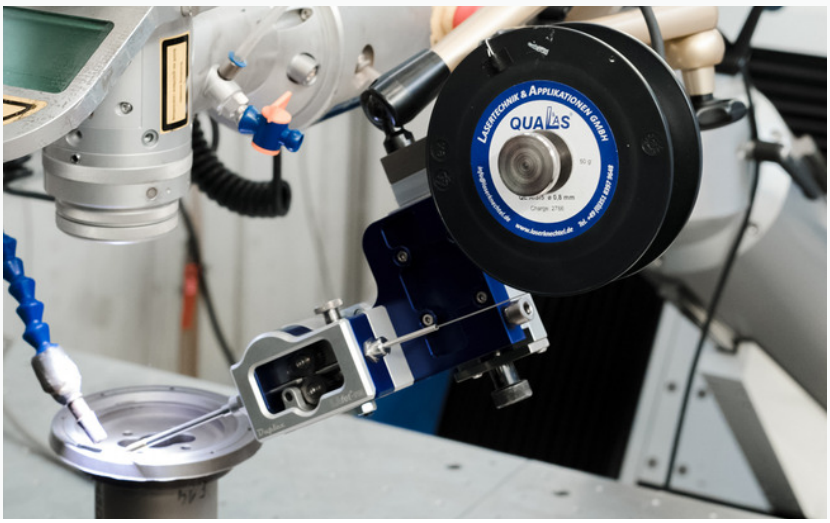
## BRIEF INFO

- DUPLEX drive system
- for wire Ø 0.3 mm to 1.2 mm
- adjustable wire axis
- Planetary transmission for high torque



## Technical data:

- Drive: Stepper motor
- Wire Ø: 0.3 to 1.2 mm
- Normal feed: 0.1 to 50 mm/s
- Weight: approx. 4.2 kg (without spool)
- Wire materials: low- and high-alloy steels, suitable aluminum alloys, bronzes, noble metal alloys
- Controls: Programmable controls
- Power connection: 110–230 V / 50–60 Hz at 24 VDC



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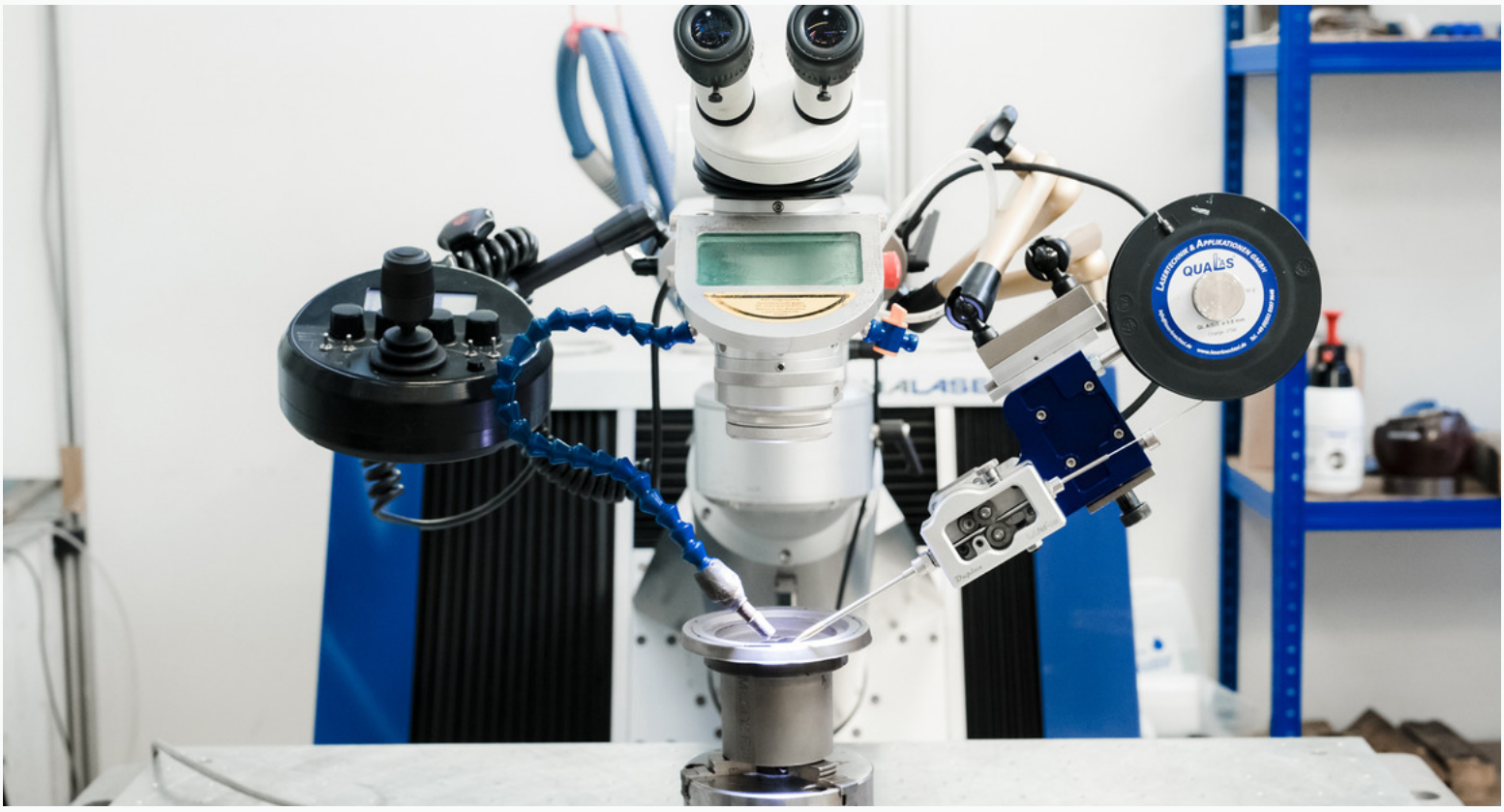
# LAfet® -SM Duplex wire feed system

The DUPLEX drive system moves laser welding wires 0.3 mm to 1.2 mm in diameter, slip free. Twist-free output through cross-groove profiling on the wire surface. Safe wire transport by two driven, fine-toothed drive wheels in carbide quality.
The inner capillary tubes can be adjusted precisely to the wire axis.

There are two options for fastening the drive unit

- to the laser head with two hydraulic clamping arms and XYZ fine adjustment for direct feed
- flexibly using a guide spiral and separately adjustable capillary tube positioning on the focusing lens

The control logic allows precise adjustment to the laser welding process. Variable speeds ensure precisely timed wire movement at the beginning, during and at the end of each weld. Process safety and ultimate reproducibility in laser welding with optimized welding time are extraordinary features that make this wire feed system the device to use.



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