

## PACKAGING & ASSEMBLY

### Laser welding system

Manufacturer: Alphalaser

Model: ALP 35S



### General Description:

Laser welding system to weld metal parts. Not to be used with plastic specimen! Chamber is flushed with Argon during welding process. The system is water-cooled and the tank has to be refilled regularly to allow safe operation – its filling level is monitored by the system which goes into a fail-safe mode if this level drops below a minimum threshold.

### Key Specifications:

- Welding spot diameter: 0.2 – 2mm
- Charging Lamb voltage: 180 – 450V
- Charging Lamb pulse duration: 0.1 – 10ms
- Pulse frequency: 0.1 – 9.9 Hz
- Cooling water level is monitored.
- Argon gas supply can be activated but is not necessary for welding operation.

<b>Availability</b>	Use allowed for all researchers with permission
<b>Location</b>	Environmental Lab Europastraße 12 9524 Villach
<b>Responsibles / Contact</b>	Dr. Jochen Bardong / Bernd Koschier Tel.:+43 4242 56300 209 / 268