

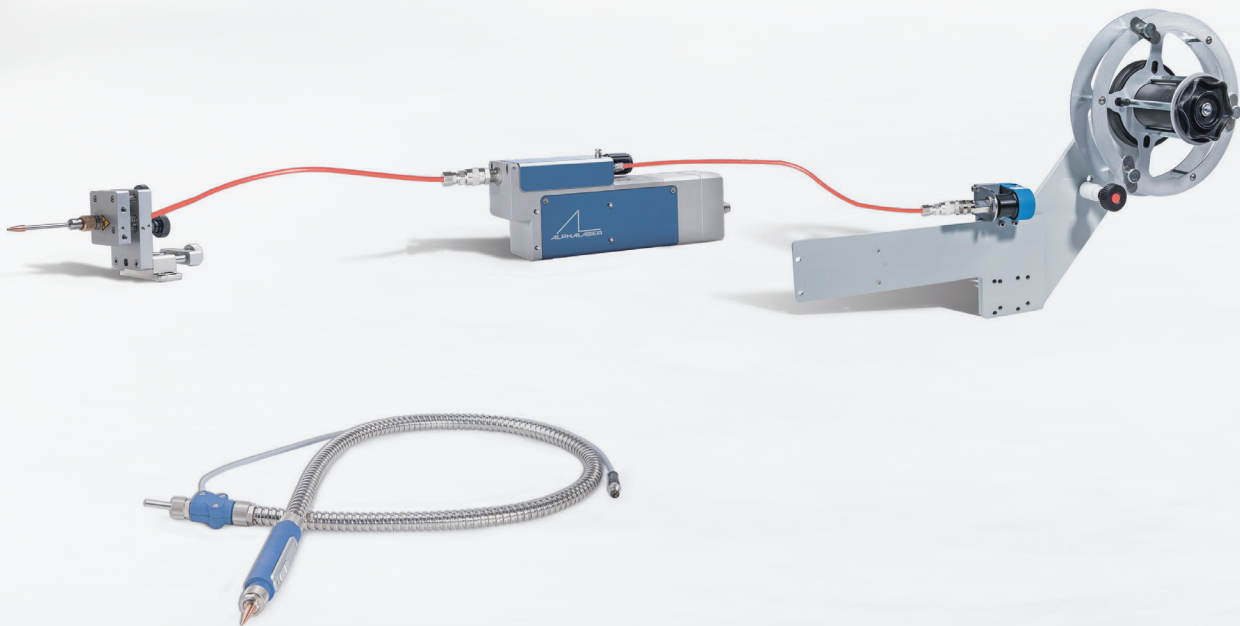
Laser wire feed system AL-DV

CONVEYOR UNIT 709-0018A (SET) AND CONTROL UNIT 700-1460A

The ALPHA LASER wire feeder unit is suited for manual and automated laser wire welding. It can be integrated into automated series production and controlled via digital signals.

It has integrated sensors for wire detection, such as wire end sensors, wire feed monitoring and wire freezing monitoring.

The wire can be fed manually by using the two buttons on the feed unit. In addition, it is possible to connect an external handpiece with which the wire can be applied manually.



Technical data

Wire diameter	0.2-1.6 mm
Feeding speed	0.5-150 mm/s
Sensor systems	wire end monitoring wire freezing monitoring wire feed monitoring
Adjustment of feeding system	manual via thumb wheel
Weight	approx. 5 kg
Wire spool case	optional on request
Control	Compatible with all ALPHA LASER-Systems. Machines with WINLaser Software require a control unit.
Dimension driver unit (W × L × H)	approx. 190 × 180 × 200 mm
Dimension delivery unit (W × L × H)	approx. 250 × 60 × 95 mm
Field of adjustment of the feeding unit	X-direction: ± 8 mm X/Y-plane: ca. ± 20 mm (± 8°) Y/Z-plane: ca. ± 20 mm (± 8°)
Ambient temperature	10° C ... 30° C
Transport- and storage temperature	0° C ... 60° C

Scope of delivery

709-0018A

Delivery unit AL including:




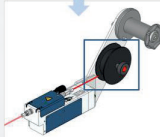
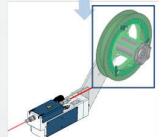
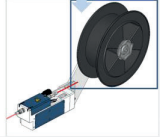
- Wire outlet unit with fine adjustment for automated wire feed
- Handpiece with core for manual conveyance
- Roller sets and wire outlets for 0.4 mm and 0.6 mm wires

700-1460A

Control unit including:

- Control unit with color display and touch function
- Connection cable 9-pin, SUB-D
- Power supply cable 230 V

Compatible wire spools

Small wire spool Mandrel size 16.5 mm, Width: 38 mm, e.g. D200 with <u>small holder</u>	Medium wire spool Mandrel size: 215 mm, Width: 37 mm, e.g. SH253 with <u>large holder + adapter</u>	Large wire spool Mandrel size: 51,5 mm, Width: 100 mm, e.g. K300 with <u>large holder</u>
		
		

All common wire spools (e.g. D200, „reel ring“ SH253, K300, etc.). Adapters are included in the scope of delivery. For further information s. Operating Instructions

V2.1