

ALM 200/250/300

The ALM has received a major update.
The following models are now available:

000-0947C	ALM 200 _{REV4.1}
000-0948C	ALM 250 _{REV4.1}
000-0949C	ALM 300 _{REV4.1}



What's new?

- The user interface (see picture 1)
- A powerful and ready-to-use PLC with new features

The working position can be selected (see picture 2) – front, left or right of the ALM.
The User Coordinate System UCS is programmable in an area 50x50 mm (see picture 3)

- Touch Display with a faster start speed
- A certified safety circuit according to DIN EN ISO 13849 (by TÜV Süd). The systems fulfils the high requirements of performance level d as standard.
- Precise and maintenance-free flow sensor
- Boards for CAN Bus und safety circuit.

The advantage: The electrical stability is enhanced.

- The CAN Bus baud rate was reduced to 500 kBaud (previous models had 1 Mbaud).

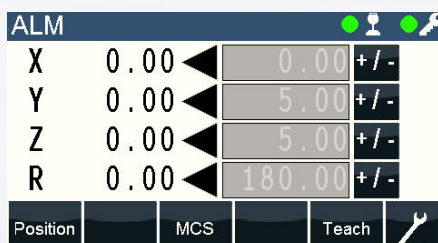
The advantage: a stable data transmission

However, this means that the following items are not compatible with the previous (B Versions) models.

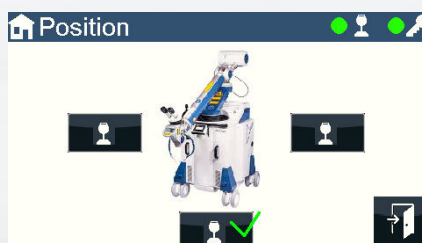
Rotary Axis 125 CAN with 500 kBaud - Article number 700-1440A oder 700-1441A

Touch control unit with 500 kBaud – Article number 200-1168A

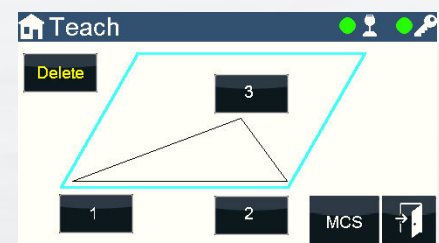
Joystick 500 kBaud (included in scope of delivery)



Picture 1: Start-Screen



Picture 2: Position



Picture 3: BKS

Technical Data

External Dimensions		142*73*160 cm
Weight		Approximately. 320 kg
Electrical connection	3-phase	3*400V, 50-60Hz, 3*16A; N, PE
	Input observed	Over-/undervoltage, missing Phase, asymmetry
Laser	Laser crystal / Lamp	Nd:YAG, blitzlampengepumpt
	Laser protection class	4 – protective measures needed
Average power		ALM 200 -> 200 W ALM 250 -> 250 W ALM 300 -> 300 W
Pulse energy		90 Joule
Peak pulse power		9 kW
Pulse duration		0,5 – 20 ms
Pulse frequency		Einzelpuls bis 100 Hz
Storage		39 parameter sets
Cooling		Integrated water cycle mit 1-phase-pump, external cooling optional ALM 200 - external connection optional ALM 250 / ALM 300 incl. external connection cooling
Movement system	3 Axis	Stepper motor
	Speed	0 to 25 mm/s; joystick speed factor adjustable
	Rotary axis optional	Connection for CAN-Bus-rotary axis inclusive
	Joystick	compatible with Rev. 4
	Touchdisplay	Halbautomatik, Einstellungen
Brake system	hydraulic clamping	2 cycle-system
Wheels	Hard rubber wheels	Identical Rev. 4

The price of this new ALM remains unchanged compared to the ALM with safety circuit (version B).

We have stopped producing the following models:

000-0947B; 000-0948B; 000-0949B;

We have a limited number of these models and are planning to stop production by end of January 2018:

000-0947A; 000-0948A; 000-0949A