



flexible

Photo: A.S.T. GmbH

## AL-TBasis

The AL-TBasis is for use in situations in which very different types of workpiece are to be processed flexibly, and if programmed welding or high precision isn't necessary.

The resonator clamp can be rotated 360° and fixed in any position within the swivel range. The resonator can be moved lengthways along a rail system.

The steering is carried out with the Joystick, on 3 axes (x, y, z), with the rotational axis optionally available.



stable

Photo: L&A Lasertechnik, Radebeul

## AL-T

The laser workbench AL-T, combined with the laser AL, makes laser welding without limitations of working space possible. Even large, voluminous workpieces are easy to process. When welding, the workpieces allow themselves to be precisely steered on 3 axes (x, y, z). An optional rotary axis for round weldings is also available.

Welding tasks can be carried out by joystick, in semi-automatic mode, or fully automatically by means of WINLaserNC Software.



Restoration of worn waterproof edges of a mould element of Ampco-Bronze (Photo: L&A Lasertechnik, Radebeul)



Copper-Berillium-welding (Photo: USMWA of NC, USA)

Technical data	AL-TBasis
<b>Mechanical dimensions</b>	
WxDxH in mm	950 x 1250 x 850
Working plate surface (WxD) in mm	800 x 740 (Height above the floor 830 mm)
Max. workpiece weight	100 kg
Workpiece motion	motorized
Scope of motion	x 400, y 210, z 300 mm
Speed of motion	x, y, z – max. 25 mm/s
Weight	230 kg
<b>Electrical connection</b>	
	200–240 V / 50–60 Hz / 16 A or 3 x 400 V / 50 Hz / 16 A (depending on laser)
<b>Options</b>	
	> Tiltable turntable with chuck for horizontal to vertical rotation
	> Magnetic workpiece bracket for free positioning of workpieces
	> Tiltable joint – can be tilted up to 30° downwards and up to 10° upwards



Technical data	AL-T 250	AL-T 500
<b>Mechanical dimensions</b>		
WxDxH in mm	900 x 1200 x 1500	1200 x 1360 x 1260
Working plate surface (WxD) in mm	700 x 600	600 x 475
Max. Workpiece weight	350 kg	400 kg
Workpiece motion	motorized	motorized
Scope of motion	x 250, y 200, z 360 mm extendable to 500 mm	x 490, y 400, z 350 mm extendable to 500 mm
Speed of motion	x, y – max. 25 mm/s, z – max. 5 mm/s	x, y, z – max. 25 mm/s
Weight	350 kg	550 kg
<b>Electrical connection</b>		
	200–240 V / 50–60 Hz / 16 A	3 x 400 V / 50–60 Hz / 3 x 16 A
<b>Options</b>		
	> CNC control for automatic manufacture of parts in series (WINLaserNC)	> CNC control for automatic manufacture of parts in series (WINLaserNC)
	> Guide rail for resonator	Accuracy of positioning: +/- 0,05 mm
		Accuracy of repetition: +/- 0,01 mm
	> Rotational table with chuck, tiltable for horizontal to vertical rotational motion	
	> Magnetic workpiece bracket for free positioning of workpieces	

AL-T 250 with Laser AL



Circular welding at stainless steel housing (Photo: HAKAMA AG, Switzerland)



Changing the radius on the matrix of a punching tool of 1.2379 (Photo: L&A Lasertechnik, Radebeul)