

# ALT

## The precision work table

Alpha Laser's outstanding feature: flexibility. The lasers in the AL series can be combined with the ALT laser work table. This open system enables laser welding without any workspace restrictions, so even large workpieces can be processed easily. Workpieces can be moved under precise control in 3 axes (x, y, z) during welding. An optional rotary axis is available for circular welds. You can work manually using a joystick or in automatic mode for welding volume production parts with WIN Laser NC software.



AL laser with ALT 500 work table

| Technical Data       | ALT 250   | ALT 500  |
|----------------------|---|--|
| Dimensions W x L x H | 900 x 1200 x 1500 mm  | 1200 x 1360 x 1260 mm  |
| Working plate W x L  | 700 x 600 mm  | 600 x 475 mm   |
| Workpiece weight     | max. 350 kg   | max. 400 kg  |
| Workpiece motion     | motorised   | motorised  |
| Positioning path     | x: 250 mm / y: 200 mm / z: 350 mm extendable to 500 mm  | x: 500 mm / y: 400 mm / z: 350 mm extendable to 500 mm   |
| Positioning speed    | x, y: max. 25 mm/s; z: max. 5 mm/s  | x, y, z: max. 25 mm/s  |
| Electrical supply    | 200–240 V, 50–60 Hz, 16 A   | 3 x 400 V, 50–60 Hz, 3 x 16 A  |
| Weight               | approx. 350 kg  | approx. 600 kg   |
| Options              | <ul style="list-style-type: none"> <li>&gt; CNC control for automatic operation for manufacturing production serial parts (WIN Laser SW)</li> <li>&gt; tiltable turntable with chuck for horizontal to vertical rotation</li> <li>&gt; magnetic workpiece clamping, for free positioning of workpieces</li> </ul> | <ul style="list-style-type: none"> <li>&gt; CNC control for automatic operation for manufacturing production serial parts (WIN Laser SW)</li> <li>Positioning accuracy: +/- 0.05 mm</li> <li>Repeatability: +/- 0.01 mm</li> </ul> |



AL laser with ALT 250 work table

- 1 Radiusing the edges of a lamination mould
- 2 Deposit welding on worn sealing edges
- 3 Radiusing the die of a 1.2379 punch tool