

UW 1200

Universal 3 to 5 Axis Workstation

ROFIN-SINAR offers the UW 1200 Universal Workstation for precision 2D and 3D laser processing. The UW 1200 was developed specifically to address industry's need for a compact, turnkey CNC laser processing workcell for a variety of 2D and 3D applications.

With over 40 years of experience in laser technology, ROFIN offers expertise in tooling design, process development, engineered solutions, and technical support. This unique combination of technology and experience allows us to offer the most comprehensive support in the industry.

Features

- Compact footprint
- CDRH Class 1 enclosure
- Integrated design for quick, easy installation
- CNC control
- Precision linear motors and drives
- Direct drive rotary for beam and part



Process Advantages

- Cutting, Welding, Surface Treatment
- Low thermal input
- Materials of varying thicknesses
- Variety of materials can be processed
- 3D CAD/CAM software
- Automatic fixture design within software

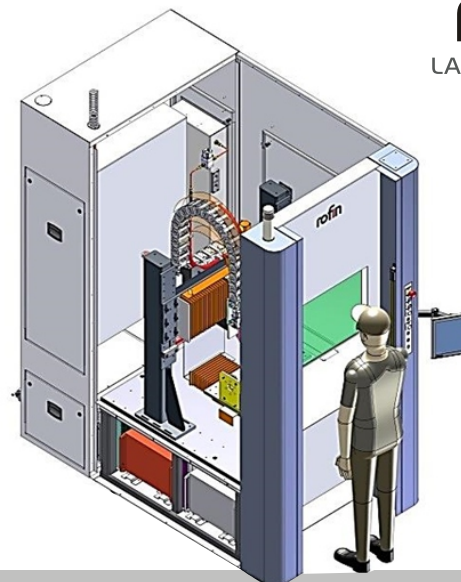
ROFIN Fiber Laser

- Power 500W–6000W
- Robust, modular design
- ROFIN RCU control
- Integrated scanner control



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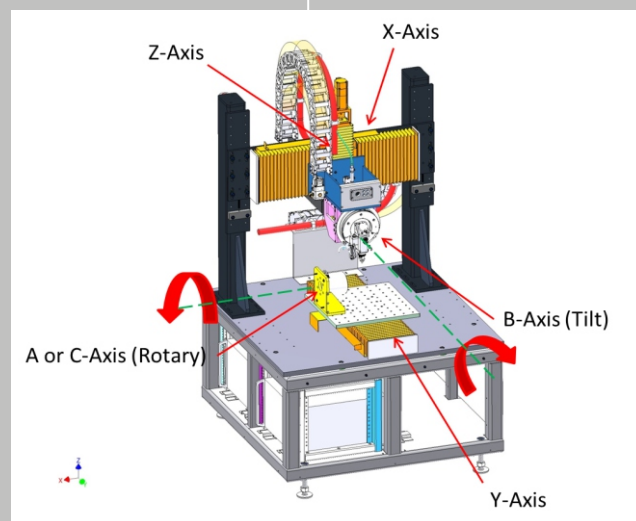


Workstation Specifications

- CNC Control
 - ROFIN HMI operator interface
 - USB, Ethernet networking capability
 - Integrated into UW with ergonomic placement
 - 230V / 460V, 60Hz, 3-phase - or - 230V, 60Hz, single phase

Mechanical/Motion Specifications

- | | |
|--|--|
| <ul style="list-style-type: none"> ● X and Y-Axis Drives*: | <p>Linear Motors</p> <ul style="list-style-type: none"> ● Travel: 16.0" ● Max travel speed: 2400 IPM ● Position accuracy: $\pm .001''$ ● Repeatability: $\pm .0002''$ |
| <ul style="list-style-type: none"> ● Z-Axis Drive*: | <p>Ball Screw</p> <ul style="list-style-type: none"> ● Travel: 12.0" ● Max travel speed: 1000 IPM ● Position accuracy: $\pm .002''$ ● Repeatability: $\pm .0005''$ |
| <ul style="list-style-type: none"> ● A/C - Axis Vertical Rotary Drive*: | <p>Direct Drive Motor</p> <ul style="list-style-type: none"> ● Continuous rotation ● 500 RPM ● Position accuracy: ± 75 arc second ● Position repeatability: ± 3 arc second ● Weight limitation (Part + Fixture): 50 lbs. |
| <ul style="list-style-type: none"> ● B - Axis Tilt*: | <p>Direct Drive Motor</p> <ul style="list-style-type: none"> ● $\pm 100^\circ$ from vertical ● 1200° per second ● Position accuracy: ± 10 arc second ● Position repeatability: ± 2.5 arc second |



MACRO

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* Optional error mapping available for improved accuracy/repeatability

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