

UW 1200

Universal 3- to 5-Axis Workstation

Coherent 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, Coherent 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

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

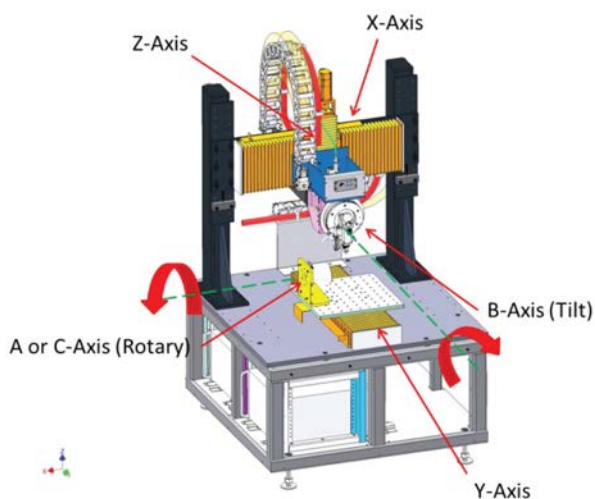
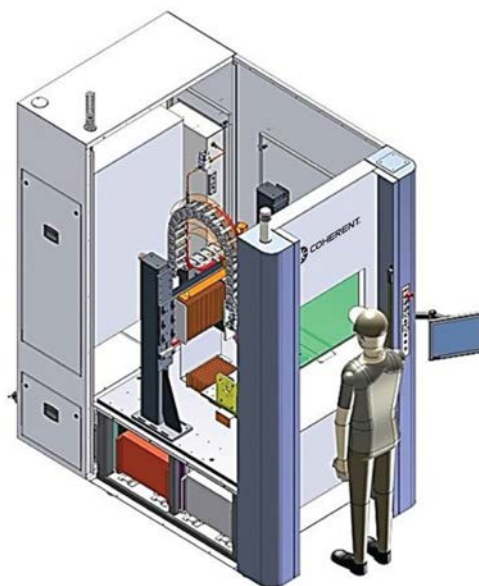
SPECIFICATIONS

X- and Y-Axis Drives¹	Linear Motors
Travel	406 mm (16 in.)
Maximum Travel Speed (IPM)	2400
Position Accuracy	±0.025 mm (±0.001 in.)
Repeatability	±0.005 mm (±0.0002 in.)
Z-Axis Drive¹	Linear Motor
Travel	305 mm (12 in.)
Maximum Travel Speed (IPM)	1000
Position Accuracy	±0.05 mm (±0.002 in.)
Repeatability	±0.013 mm (±0.0005 in.)
A/C - Axis Vertical Rotary Drive¹	Direct Drive Motor
Travel	Continuous rotation
Maximum Travel Speed (RPM)	500
Position Accuracy (arc second)	±75
Position Repeatability (arc second)	±3
Weight Limitation (part + fixture)	45 kg (50 lbs.)
B-Axis Tilt¹	Direct Drive Motor
Travel	±100° from vertical
Maximum Travel Speed (per second)	1200°
Position Accuracy (arc second)	±10
Position Repeatability (arc second)	±2.5
CNC Control	
Coherent HMI operator interface	
USB, Ethernet Networking Capability	
Integrated into UW with Ergonomic Placement	
230V / 460V, 60Hz, 3-phase or 230V, 60Hz, single phase	

¹ Optional error mapping available for improved accuracy/repeatability.

MECHANICAL SPECIFICATIONS

UW 1200 Workstation



Coherent, Inc.,
5100 Patrick Henry Drive Santa Clara, CA 95054
p. (800) 527-3786 | (408) 764-4983
f. (408) 764-4646

tech.sales@coherent.com www.coherent.com

Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice.

Coherent offers a limited warranty for all UW 1200 Workstations. For full details of this warranty coverage, please refer to the Service section at www.Coherent.com or contact your local Sales or Service Representative.

MC-033-21-0M1021 Copyright ©2021 Coherent, Inc.

