



OEM Manufacturer of Laser Workstations

● DB-241218 7 Axis Laser Workstation



SOLID PERFORMANCE ●



DB-241218

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# DB-241218 7 Axis Laser Workstation

Travel X Axis	24 in
Travel Y Axis	12 in
Travel Z Axis	18 in Travel
Tilt Axis Optional	+/- 135 degrees
Travel Rotary Axis Optional (Rotary Tilt Axis Optional)	Continuous
Travel Scan Head 2 Axis	3" plus

Maximum X Axis Speed	8 in/sec
Maximum Y Axis Speed	8 in/sec
Maximum Z Axis Speed	5 in/sec
Maximum X Axis Speed with Linear Motor	20 in/sec
Maximum Y Axis Speed with Linear Motor	20 in/sec
Maximum Speed Tilt Axis Optional	120°/sec
Maximum Speed Rotary Axis Optional Gear Drive	120°/sec
Maximum Speed Rotary Axis Optional Direct Drive	500 rpm

Accuracy X Axis	+/- .0005 in/ft.
Accuracy Y Axis	+/- .0005 in/ft.
Accuracy Z Axis	+/- .0005 in/ft.
Accuracy X Axis Optional Linear Motor	+/- 5 µm/m
Accuracy Y Axis Optional Linear Motor	+/- 5 µm/m
Accuracy Z Axis Optional Linear Motor	+/- 5 µm/m
Accuracy Tilt Axis Optional	200 arc-sec
Accuracy Rotary Axis Optional Gear Drive	200 arc-sec
Accuracy Rotary Axis Optional Direct Drive	+/- 10 arc-sec

Positioning Resolution X Axis	.000016 in
Positioning Resolution Y Axis	.000016 in
Positioning Resolution Z Axis	.000016 in
Positioning Resolution X Axis Optional Linear Motor	250 nm
Positioning Resolution Y Axis Optional Linear Motor	250 nm
Positioning Resolution Z Axis Optional Linear Scale	250 nm
Positioning Resolution Tilt Optional	3.2 arc-sec
Positioning Resolution Rotary Optional Gear Drive	3.2 arc-sec
Positioning Resolution Rotary Optional Direct Drive	1.8 arc-sec

Brushless Servo Motor Control	X, Y and Z
Optional Linear Motors	X and Y
Heavy Duty Ball Ways X, Y and Z	

Machine Base	Ground Steel
Machine Supports	Steel Tubing
Optional Axes	Up to 12 Axes

**Standard options:** Class I and Class IV



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**mundt**  
MUNDT & ASSOCIATES, INC.

**Corporate Headquarters**

14682 N. 74th St., Scottsdale, AZ 85260 USA  
Tel: 480 922 9365 • Fax: 480 922 9341  
Email: [mundtinc@mundtinc.com](mailto:mundtinc@mundtinc.com)

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