

MSX432A

Sectioning Machine

Instrument Profile

The MSX432 is designed for sectioning large samples of high-alloy and hardened materials. Pulse sectioning (short contact times per stroke), coupled with intense cooling, provide excellent results.



Specifications

MSX432A2

Cutting Wheel Motor with Electronic Brake	25 hp (18.5 kW)
Cutting Wheel Dimensions	
Minimum	12 x 1.25 in (300 x 32 mm)
Maximum	17 x 1.25 in (432 x 32 mm)
Cutting Wheel Speed	2074 rpm fixed (60 Hz); 2197 rpm fixed (50 Hz)
Sample Feeding Speed	
Sample Feeding Speed Table	0.0012 to 0.39 in/s (0.03 to 9.9 mm/s)
Sample Feeding Speed Cutting Wheel	0.0012 to 0.39 in/s (0.03 to 9.9 mm/s)
Table Oscillation Speed	0.39 in/s (9.9 mm/s)
Minimum Speed	0.0012 in/s (0.03 mm/s)
Maximum Speed, Rapid Traverse	3.9 in/s (100 mm/s)
T-Slot Table Dimensions	
Width	18.9 in (480 mm)
Depth	17.7 in (449 mm)
(5) T-Slots	0.55 in (14 mm) DIN 650
Cutting Wheel Clearance Above Table	9.25 in (235 mm)
Blade Travel (Z-Axis)	11.31 in (287.3 mm)
Table Travel (X-Axis)	24.6 in (625 mm)
Y-Table Travel (Y-Axis)	4.72 in (120 mm)
Sample Measurement	
Maximum Height	9.84 in (250 mm)
Maximum Width	31.50 in (800 mm)
Maximum Depth	17.71 in (450 mm)
Max. Cutting Area of Sample	
Round	5.9 in (150 mm)
Rectangular	5.1 in x 5.1 in (130 mm x 130 mm)
Longitudinal Cut	15.75 in (400 mm)
Coolant Reservoir Capacity	39 gal (150 L)
Coolant Flush Pump Maximum	16.9 gal/min (64 L/min)
Interior Lamp	8 w/24 VDC LED
Machine Dimensions	
Height	75 in (1900 mm)
Width	54 in (1375 mm)
Depth	82 in (2100 mm)
Weight (approximate)	2425 lb (1100 kg)
Operating Temperature	59°F to 104°F (15°C to 40°C)
Electrical Requirements	380-400/460 V, 50/60 Hz, 3 Phase, 63 Amp

All measurements are approximate.

Part Numbers

826-500-110	MSX432A2 Automatic, with Y-Table, 460V, 60 Hz, 3 phase
826-500-130	MSX432A2 Automatic, with Y-Table, Laser Pointer, 460V, 60 Hz, 3 phase
826-500-140	MSX432A2 Automatic, with Y-Table, Laser Pointer, Magnetic Filter, 460V, 60 Hz, 3 phase

A consumable pack is included with each sectioning machine. It consists of an assortment of abrasive blades, rust inhibitor, and accessories for set-up of the instrument.

Specifications and part numbers may change. Consult LECO for latest information.

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