

MSX255 M-Series

Sectioning Machine

Instrument Profile

These versatile sectioning machines offer both linear and radial feed configurations in efficient benchtop models.

Sealed spindle design for optimal speed, precise sections, and trouble-free operation

Safety shut-off switch terminates operation when hood is opened during use

Easily accessible sealed electronic enclosure

Convenient easy-to-operate control panel

LED work light

Supports up to 12 in (300 mm) blade @ 5.4 hp (4.0 kW) with integrated electronic braking system

Manual Z-axis lever

Recirculating system included

MSX255M2

Manual X-axis control (M2 model only)

13.8 in (350 mm) x 9.8 in (250 mm) T-slotted table for flexible sample fixturing; table vise included

Y-axis T-slotted table

MSX255M1

Specifications	MSX255M	MSX255M2
Cutting Wheel Motor w/Brake	5.4 hp (4.0 kW), 230/380/460V, 50/60 Hz, 3 Phase	5.4 hp (4.0 kW), 230/380/460V, 50/60 Hz, 3 Phase
Cutting Wheel Dimensions		
Minimum	10 x 1.25 in (250 x 32 mm)	10 x 1.25 in (250 x 32 mm)
Maximum	12 x 1.25 in (300 x 32 mm)	12 x 1.25 in (300 x 32 mm)
Cut-Off Wheel Speed		
Constant	2865 rpm	2865 rpm
Variable	N/A	N/A
T-Slot Table Dimensions		
Width	13.8 in (350 mm)	13.8 in (350 mm)
Depth	9.8 in (250 mm)	9.8 in (250 mm)
T-Slots	7—0.55 in (14 mm) DIN 650	7—0.55 in (14 mm) DIN 650
Cutting Wheel Clearance Above Table	5.9 in (150 mm)	5.9 in (150 mm)
Hand Lever (Z-Axis)	7.87 in (200 mm)	7.87 in (200 mm)
Table Travel (X-Axis)	N/A	10.6 in (270 mm)
Y-Table Travel (Y-Axis)	N/A	1.97 in (50 mm)
Maximum Cutting Area of Sample		
Round	3 in (76 mm)	3 in (76 mm)
Rectangular	3 in x 3 in (76 x 76 mm)	3 in x 3 in (76 x 76 mm)
Longitudinal Cut	N/A	3 x 7.5 in (76 x 190 mm)
Coolant Reservoir Capacity	18 gal (68 L)	18 gal (68 L)
Interior Lamp LED	11 W	11 W
Machine Dimensions		
Height, Hood Closed	32 in (813 mm)	32 in (813 mm)
Height, Hood Opened	38.25 in (972 mm)	38.25 in (972 mm)
Width	32.75 in (832 mm)	32.75 in (832 mm)
Depth	37 in (940 mm)	37 in (940 mm)
Recirculating Tank Dimensions	22 in H x 13.5 in W x 28 in D (559 mm x 343 mm x 711 mm)	22 in H x 13.5 in W x 28 in D (559 mm x 343 mm x 711 mm)
Weight	452 lb (205 kg)	485 lb (220 kg)
Shipping Weight	540 lb (245 kg)	728 lb (330 kg)
Operating Temperature	59°F to 104°F (15 °C to 40 °C)	59°F to 104 °F (15 °C to 40 °C)
Electrical Requirements	5.4 hp, 4.0 kW; 16A	5.4 hp, 4.0 kW; 16A

All measurements are approximate.

One cam-lock vise is included with the MSX255M-Series.

Part Numbers

826-400-300	MSX255M, 230V, 60 Hz, 3 phase	826-400-330	MSX255M2, 230V, 60 Hz, 3 phase
826-400-310	MSX255M, 380-400V, 50 Hz, 3 phase	826-400-340	MSX255M2, 380-400V, 50 Hz, 3 phase
826-400-320	MSX255M, 460V, 60 Hz, 3 phase	826-400-350	MSX255M2, 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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