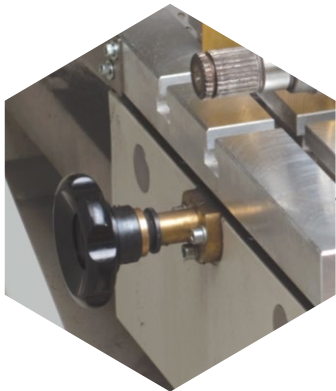


MSX305 A-Series

Sectioning Machine

MSX305A Series floor models are designed for sectioning large samples of many different types of materials using automated oscillation and servo-pulse sectioning.

■ Removable side ports for long samples



■ Manually adjustable Y-axis table with 4 in (100mm) of travel for sample position and parallel sections; comes standard on both models

■ Convenient easy-to-operate control panel with 5.6 in (142.2mm) display

■ Adjustment knob for all auto cutting parameters



MSX305A2

■ Sealed electronic enclosure

■ 10.05 hp (7.5 kW) motor with integrated electrical brake

■ Exhaust port for venting; 4.75 in (120mm) OD

Optional laser pointer

■ MSX305A1-Z-axis for manual sectioning

■ Production-grade spindle supports up to a 14 in (~350mm) wheel with 1.25 in (32mm) arbor

■ Optional catch basket for capturing small, sectioned samples

■ 15.75 in (400mm) x 15.75 in (400mm) T-slotted table with large sectioning compartment for versatile sample fixturing

■ MSX305A1-Joystick control for table positioning

MSX305A2-Joystick control for blade direction (Z-axis); table direction (X-axis); oscillation, pulse, and manual sectioning

■ 30 gal (115L) built-in coolant tank with coolant fluid level gauge; rolls out for easy access

MSX305A1

Specifications

MSX305A1

MSX305A2

Cutting Wheel Motor	10.05 hp (7.5 kW)	10.05 hp (7.5 kW)
Cutting Wheel Dimensions		
Minimum	10.0 in x 1.25 in (250 mm x 32 mm)	10.0 in x 1.25 in (250 mm x 32 mm)
Maximum	14.0 in x 1.25 in (350 mm x 32 mm)	14.0 in x 1.25 in (350 mm x 32 mm)
Cutting Wheel Speed (Fixed)	2,460 rpm	2,460 rpm
Sample Feeding Speed		
Minimum Speed (X-Axis)	0.01 to 50 mm/second	0.01 to 50 mm/second
Maximum Speed, Rapid Traverse (X-Axis)	100 mm/second	100 mm/second
T-Slot Table Dimensions		
Width	15.75 in (400 mm)	15.75 in (400 mm)
Depth	15.75 in (400 mm)	15.75 in (400 mm)
Cutting Wheel Clearance Above Table*	7.5 in (191 mm) {with 350 mm blade}	7 in (180 mm) {with 350 mm blade}
Blade Travel (Z-Axis)*	13 in (330 mm)	13 in (330 mm)
Table Travel (X-Axis, Servo-Driven)	15.75 in (400 mm)	15.75 in (400 mm)
Y-Table Travel (Y-Axis)	4 in (100 mm)	4 in (100 mm)
Max. Section Size*		
Round	4 in (100 mm)	4 in (100 mm)
Rectangular	3.54 in x 3.54 in (90 mm x 90 mm)	3.54 in x 3.54 in (90 mm x 90 mm)
Longitudinal Cut	2.75 in x 12.6 in (70 mm x 320 mm)	2.75 in x 12.6 in (70 mm x 320 mm)
Sample Measurement		
Maximum Height	7.5 in (191 mm)	7 in (180 mm)
Maximum Width	23 in (584 mm); unlimited with side access ports removed	21.7 in (550 mm); unlimited with side access ports removed
Maximum Depth	9.8 in (250 mm)	11.8 in (300 mm)
Coolant Reservoir Capacity	30 gal (113 L)	30 gal (113 L)
Interior Lamp (Low Voltage)	24 volt, 11 watts	24 volt, 11 watts
Machine Dimensions		
Height	71.25 in (1,810 mm)	71.25 in (1,810 mm)
Width**	41.75 in (1,060 mm)	43.5 in (1,104 mm)
	32.25 in (819 mm) without electrical cabinet	33.5 in (820 mm) without electrical cabinet
Depth	62.20 in (1,580 mm)	62.20 in (1,580 mm)
Weight	1673 lb (750 kg)	1673 lb (750 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	460V, 50/60 Hz; 380-400V, 50 Hz; 7.5 kW 32 A, 3 Phase	460V, 50/60 Hz; 380-400V, 50 Hz; 7.5 kW 32 A, 3 Phase
Air Requirements	80 to 100 psi	80 to 100 psi

*Dependent on blade size and type of sample.

**The electrical cabinet is easily removable for installation through standard door opening.

All measurements are approximate. Refer to quotes for additional model options.

Part Numbers

826-350-110	MSX305A1 Automatic, Pulse Servo Sectioning, with X- and Y-Table, 460V, 60 Hz, 3 phase
826-350-190	MSX305A1 Automatic, Pulse Servo Sectioning, with X- and Y-Table, 380-400V, 50 Hz, 3 phase
826-350-120	MSX305A2 Automatic, Z-Axis, Oscillation and Pulse Servo Sectioning, 460V, 60 Hz, 3 phase
826-350-140	MSX305A2 Automatic, Z-Axis, Oscillation and Pulse Servo Sectioning, 380-400V, 50 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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