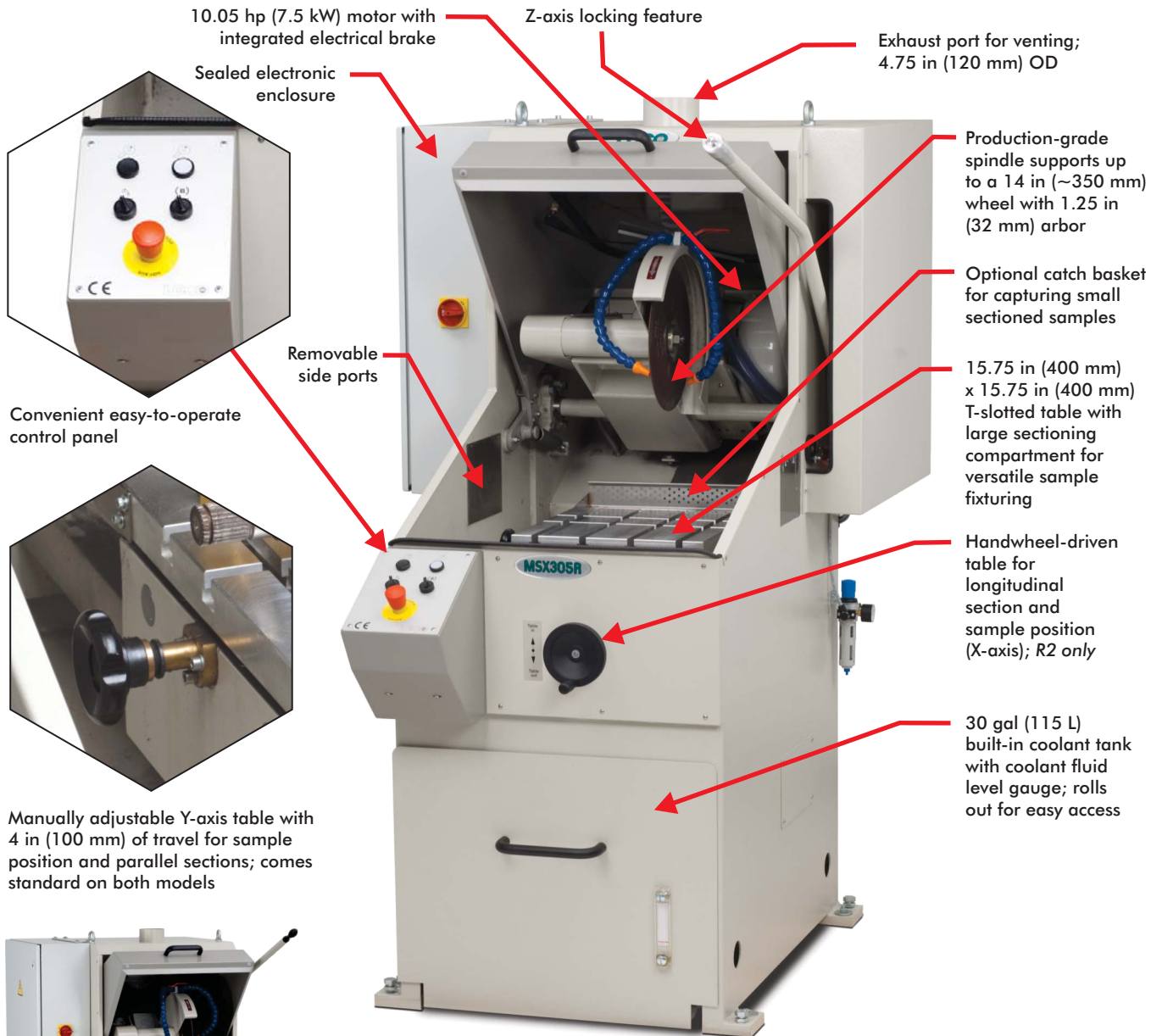# MSX305 R-Series

Sectioning Machine   Instrument Profile

MSX305 R-Series floor models are designed for sectioning large samples of many different types of materials.

10.05 hp (7.5 kW) motor with integrated electrical brake

Z-axis locking feature

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

Sealed electronic enclosure

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

Optional catch basket for capturing small sectioned samples

Removable side ports

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

Convenient easy-to-operate control panel

Handwheel-driven table for longitudinal section and sample position (X-axis); *R2 only*

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

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

MSX305R2

MSX305R1

LECO

EMPOWERING RESULTS

Specifications — MSX-305R1and R2

Specifications	MSX-305R1and R2
Cutting Wheel Motor	10.05 hp (7.5 kW)
Cutting Wheel Dimensions	
Minimum	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)
Cutting Wheel Speed (Fixed)	2460 rpm
T-Slot Table Dimensions	
Width	15.75 in (400 mm)
Depth	15.75 in (400 mm)
Cutting Wheel Clearance Above Table	7.5 in (190 mm) {with 350 mm blade}
Blade Travel (Z-Axis)	11.02 in (280 mm)
Table Travel (X-Axis)	18 in (457 mm)
Y-Table Travel (Y-Axis)	4 in (100 mm)
Max. Section Size*	
Round	4 in (100 mm)
Rectangular	3.54 in x 3.54 in (90 mm x 90 mm)
Longitudinal Cut	2.75 in x 14.57 in (70 mm x 370 mm) *(R2 only)*
Sample Measurement	
Maximum Height	7.5 in (191 mm)
Maximum Width	23 in (584 mm); unlimited with side access ports removed
Maximum Depth	15 in (381 mm)
Coolant Reservoir Capacity	30 gal (113 L)
Interior Lamp (Low Voltage)	24 volt, 11 watts
Machine Dimensions	
Height	71.25 in (1810 mm)
Width**	41.75 in (1060 mm); 32.25 in (819 mm) with electrical cabinet removed
Depth	62.20 in (1580 mm)
Weight	1570 lb (712 kg)
Operating Temperature	59°F to 104°F (15°C to 40°C)
Electrical Requirements	460V, 60 Hz; 380V, 50 Hz (7.5 kW), 32 A, 3 Phase
Air Requirements	80 to 100 psi *(R2 only)*

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

826-350-210	MSX305R1 460V, 60 Hz, 3 Phase
826-350-220	MSX305R2 460V, 60 Hz, 3 Phase
826-350-230	MSX305R1 380-400V, 50 Hz, 3 Phase
826-350-240	MSX305R2 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.