

AbrasiMet® L Pro

Advanced Automatic Cutter

The **AbrasiMet® L Pro** provides consistent and repeatable cut quality for medium to large samples with programmable methods and automatic cutting. A durable design, intuitive user interface, automatic cleaning features, and a large working space make this machine ideal for demanding environments where time, quality, and reliability are key.

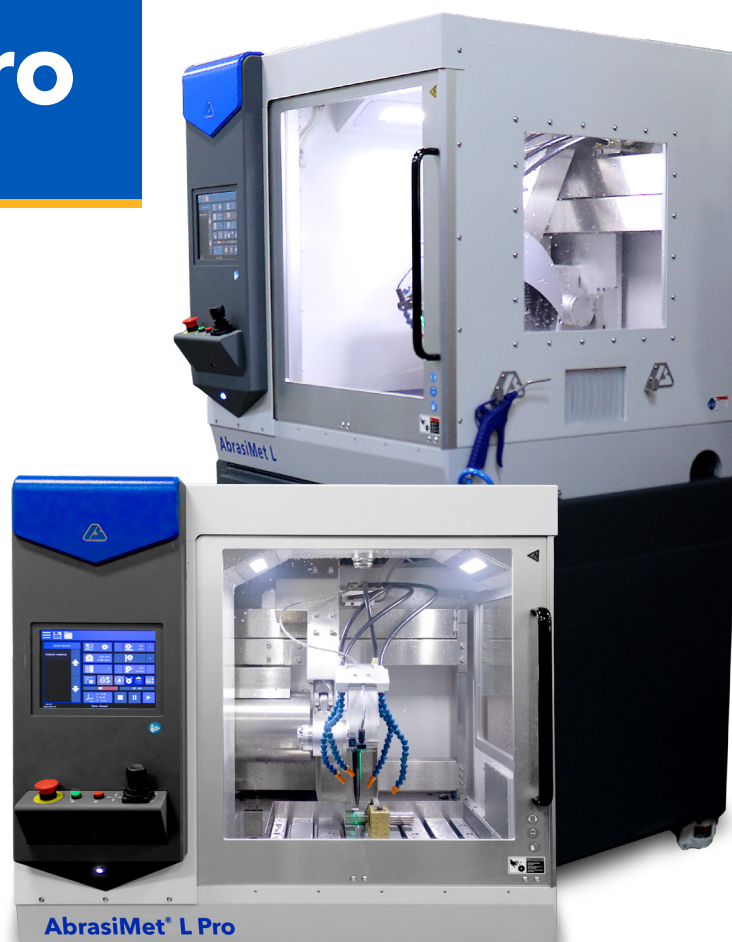
Unit Information

Part Number	Description
102830200	200-240VAC Benchtop machine
102870200	200-240VAC Floor standing machine
102830400	380-460VAC Benchtop machine
102870400	380-460VAC Floor Standing machine

All machines come with recirculation system

Technical Specifications

Operation	Fully Automatic and Manual control		
Motor Power	5.5 hp [4kW]		
Main Power	200-240VAC	380-460VAC	
Main Current	3 Phase, 50/60Hz 26 amp	3 Phase, 50/60Hz 18 amp	
Vertical (Z) movement (Blade)	8.7in [220mm]		
Front-Back (Y) movement (Table)	9.8in [250mm]		
Horizontal (X) movement (Table)	11.8in [300mm]		
Cut Types	Vertical Chop, Y-feed, Planar, Smart Manual		
Laser	Green Laser (520nm, Class 2)		
Blade Sizes	10in [254mm]	12in [305mm]	14in [356mm]
Cut Capacity	3.4in [87mm]	4.4in [112mm]	5.4in [135mm]
Blade Speed	3000rpm	2600rpm	2100rpm



T-Slot Table Dimensions	18.9in x 11.8in [480mm x 300mm]
Lighting	Overhead LEDs
Chamber Width	26in [660mm] [†]
Benchtop Machine Dimensions	Width: 42.9in [1090mm] Depth: 37.8in [960mm]* Height: 42.1in [1070mm] Weight: 926 lbs [420 kg]
Floor standing Machine Dimensions	Width: 41.7in [1060mm] Depth: 37in [940mm] Height: 75.6in [1920mm] Weight: 948lbs [430kg]
Recirculation /Filtration Tank Capacity	35gal [130L]
Advanced Features	Variable Smart Cut Smart Manual Mode Automatic Chamber Cleaning Intuitive User Interface 2 Hand Operation (Open Door)
Compliance	CE Directives

*Depth is 33in [840mm] before control panel is installed



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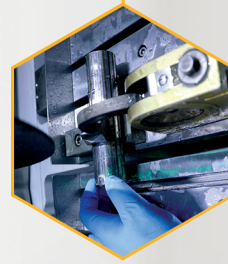
Advanced Controls

Achieve the perfect cut with an intuitive user interface, 3-axis joystick control, and Buehler's unique Variable Smart Cut Feature.



Easy Blade Change

Self Tightening lock nut eliminates the need and hassle of tools when changing blades



Easy Setup

The 2-piece T-slot table allows users to cut directly on the table with ease using the center gap. The optional wall accessory also keeps cut samples on the table after cutting.



High Visibility

Bright lights and large front and side windows provide high visibility into the chamber. The laser gives users ease in setting up the cut perfectly.



Automatic Chamber Cleaning

Overhead and chamber cleaning jets help keep the chamber clear of debris leading to longer lifetime and less downtime related to cleaning.



Simplified System Filtering

The filtering recirculation system makes removing debris fast and easy. No tools or disposable filters required.



AbrasiMet L Pro

Advanced. Intuitive. Reliable.