

# L PRO AUTOMATIC ABRASIVE CHAINSAW



Self Storage

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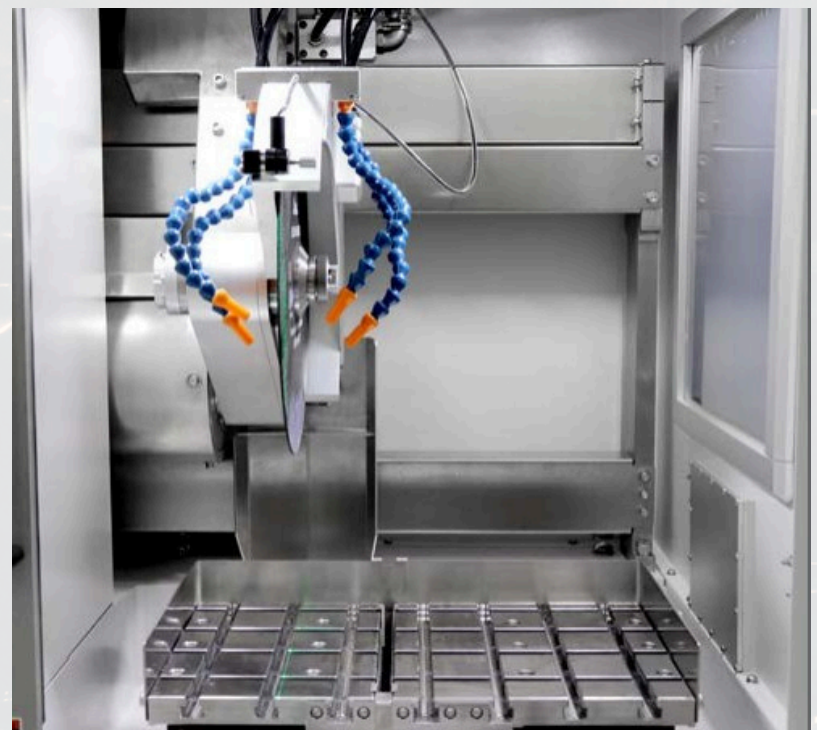
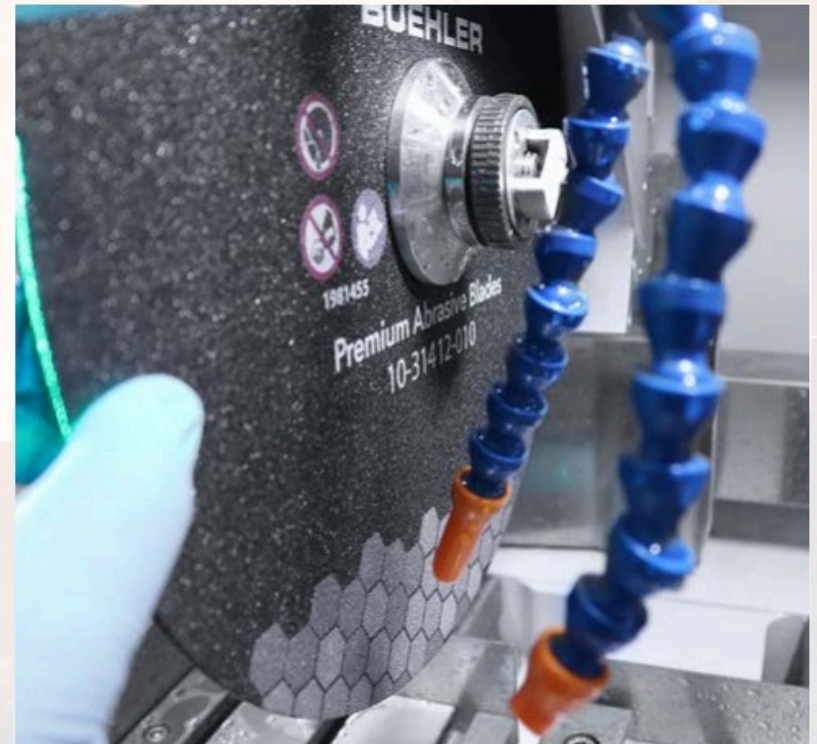
**The AbrasiMet® L Pro provides consistent and repeatable cut quality for medium to large samples with programmable methods and automatic cutting. A durable design, intuitive user interface, automatic cleaning features, and a large working space make this machine ideal for demanding environments where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

### **Tool-free wheel change**

Each machine is equipped with Buehler's self-locking system, which allows the locknut to be tightened and loosened manually on the shaft. Requiring no tools and requiring little effort, it is a much safer and faster process than traditional methods.

### **Large chamber**

Dynamic clamping table  
The spacious chamber and large movement ranges on all axes make it easy to adjust and cut all your parts. The combination of these important features allows users to position the vises and samples with maximum ease and speed.





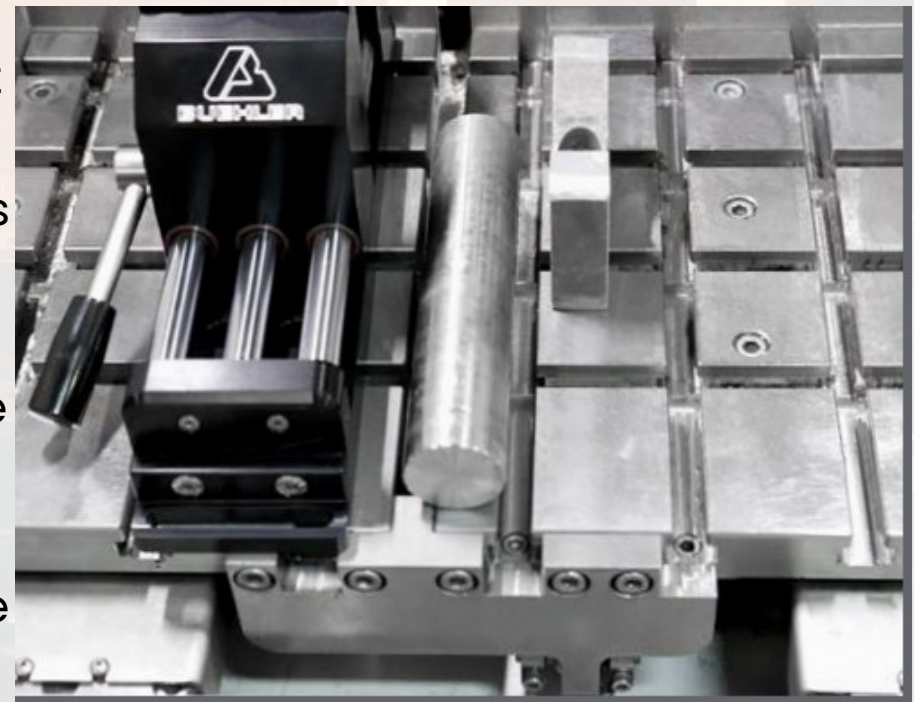
## Optimal Visibility

The large glass walls at the front and on the right side provide a clear view of the samples, vises, and cut pieces. Powerful lights illuminate the entire chamber, while the laser alignment precisely indicates the cutting plane. This combination significantly reduces setup time and ensures that the cut is properly aligned before starting.



## Dynamic Clamping Table

The spacious chamber and large movement ranges on all axes make it easy to adjust and cut all your parts. The combination of these important features allows users to position vises and samples with maximum ease and speed. The two-part clamping table, equipped with a central space, allows users to cut directly on the table, maintaining full cutting capacity while eliminating the risk of damage. Additionally, the T-slots on the X and Y axes significantly increase the flexibility needed to position the vises and clamp your sample.



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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

## 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] <sup>†</sup>		
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*



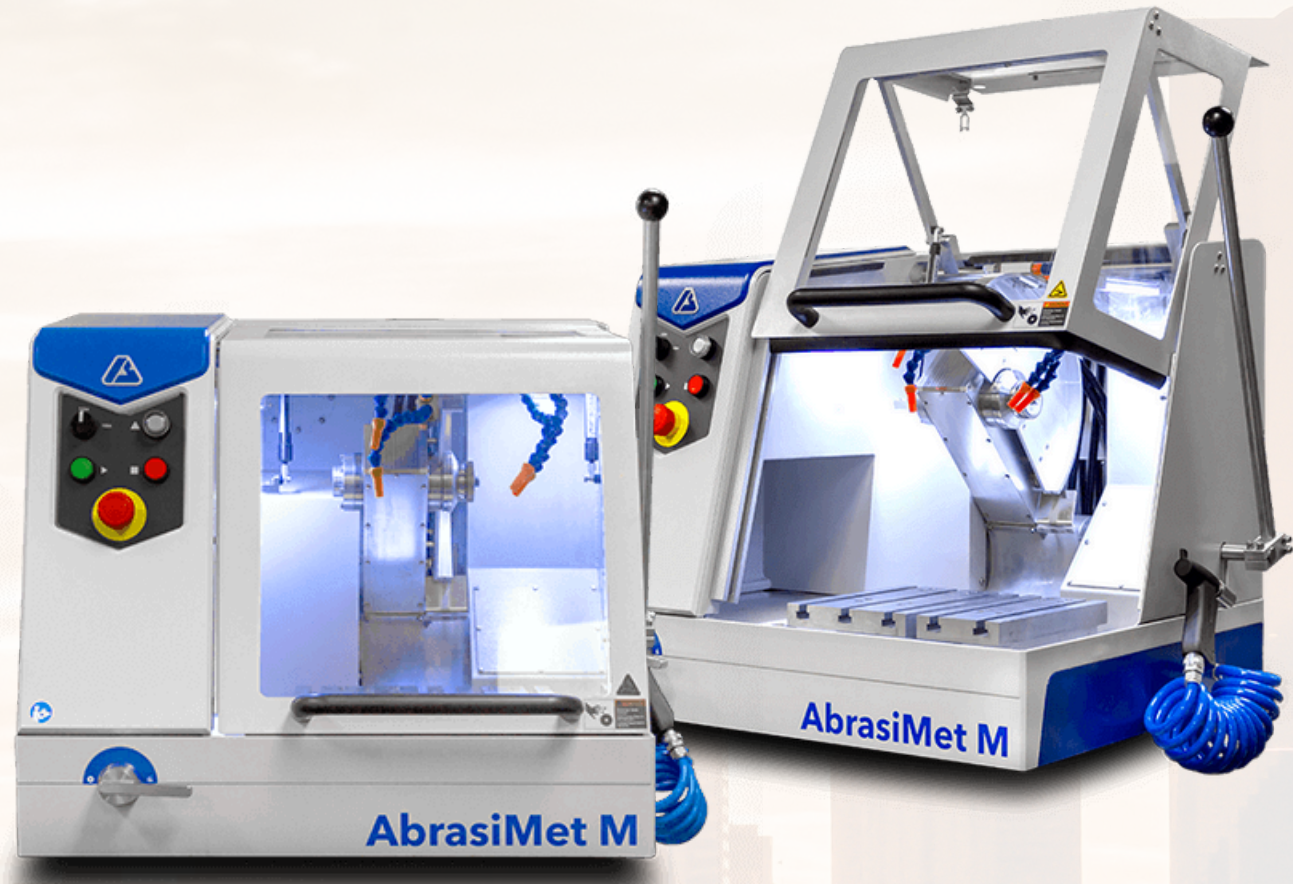
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# AbrasiMet M

## Machine de découpe par abrasion manuelle

The AbrasiMet M Hand Abrasive Cut-Off Saw is the ultimate 12-inch machine, designed for ease of use, durability and versatility for your cutting needs. This cutting saw is ideal for simple cutting in high-paced environments. Combine it with Buehler abrasive discs for a complete cutting solution that will provide you with optimum sample quality and reduce cutting time.



Self Storage

Reference	Tension
10-10107-200	200 - 240VAC, 50-60Hz
10-10107-400	380 - 460VAC, 50-60Hz
10-10107-200	CSA 200-240VAC, 50-60Hz



### Vises for abrasives

Vises for abrasive chainsaws



### Abrasive discs

Abrasive discs for abrasive chainsaws



### Cool 3

Coolants for sectioning machines



### Recirculation tank

Recirculation tank with filter for AbrasiMet

M



Functioning	Manual
Motor power at 220 VAC	5.5 hp [4kW]
Mains power supply	200-240 VAC or 380-460 VAC 3-phase, 50/60 Hz
Axis of disk movement	Z axis
Max. sample width	635 mm [25 in]
Disc diameters	1254 mm [10 in]   304 mm [12 in]
Disk-table distance	172 mm [6.8 in]   147 mm [5.8 in]
Ability	109 mm [4.3 in]
Disk speed	3000 rpm   2600 rpm
Lighting	2 LED strips
Cutting width of the double disc system	1.52mm-25.4mm [0.06in-1in] 1.52mm increments
Machine dimensions	Machine Dimensions Width: 791 mm [31.1 in] Depth: 694 mm [27.3 in] Height: 653 mm [25.7 in] door closed Height: 919 mm [36.2 in] door open
T-Slot Table Dimensions	250 mm x 180 mm [9.8 in x 7.1 in](G) 250 mm x 115 mm [9.8 in x 4.5 in](D)
Security Features	Door lock switch, emergency stop
Compliance	EC Directives



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# AbrasiMet XL Pro

## Automatic abrasion cutting machine

The AbrasiMet XL Pro automatic abrasive cut-off machine is ideal for the most demanding environments. This 18" [407 mm] cut-off machine delivers consistent, repeatable cutting quality while providing intuitive controls and the power you need to cut your large samples. Combine it with Buehler abrasive discs for a complete cutting solution that will provide you with optimum surface quality and reduced cycle time.






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Functioning	Automatic, manual
Engine power	10 kW
Main power supply	380-480 V AC, 3-phase, 50/60 Hz
Mainstream	25 A at 460 V AC
Disk movement axes	Lateral, longitudinal, vertical (X, Y, Z)
Cutting disc diameter	356 mm, 406 mm, 457 mm
Max. height under grinding wheel	247 mm, 221 mm, 196 mm
Cutting capacity	127mm, 152mm, 178mm
Cutting disc speed	2100 rpm, 1900 rpm, 1860 rpm
Types of cut	Pendulum, longitudinal Y, incremental
Lighting	4 LED
Laser	Green laser (520 nm, class 2)
Max. sample width	Up to 1245 mm
Device dimensions	Width: 1372 mm Depth: 1288 mm Height: 1905 mm
Recirculation/filtration tank capacity	170 l
Safety devices	Door interlock switch, emergency stop, two hands required to move disc when door is open, Smart Cut™
Compliance with standards	EC Directives



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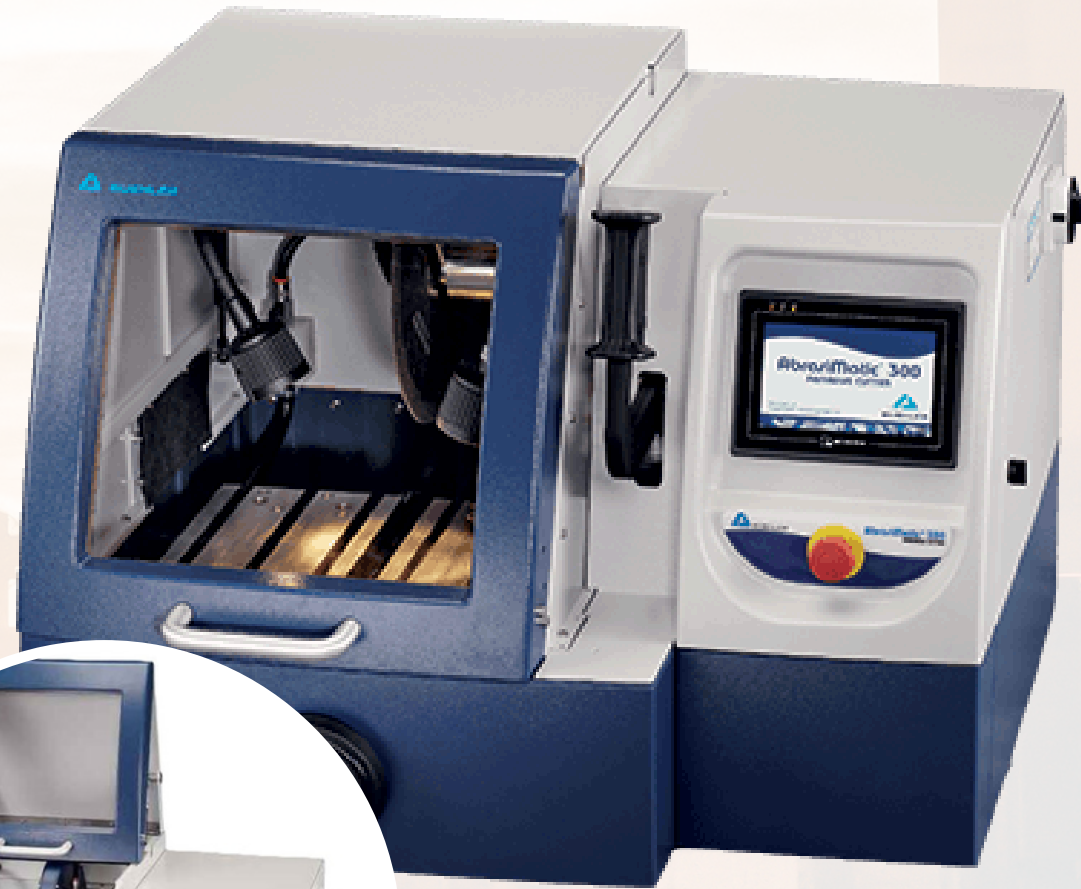


# AbrasiMatic 300

## Automatic abrasion cutting machine

The AbrasiMatic 300 automatic and manual abrasive disc cut-off saw is a 12" [305 mm] benchtop cutter designed for demanding workloads. This saw prioritizes flexibility in cutting and setup, allowing users to section samples in a wide variety of materials, sizes and geometries. Combine it with abrasive discs for a complete cutting solution that will provide you with optimum sample surface quality and reduce your processing times.

### Advantages of the AbrasiMatic 300



Reference	Tension
10-2190-260	200-240VAC, 60Hz
10-2190-460	440-480VAC, 60Hz
10-2190-250	200-240VAC, 50Hz
10-2190-400	380-400VAC, 50Hz



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Voltage/frequency/phase	230 VAC, 60 Hz 460 VAC, 60 Hz 220 VAC, 50 Hz 380 VAC, 50 Hz/ 3-phase
Power consumption	4.0kW
Maximum current	15.7 A at 220/230 VAC 7.9 A at 460 VAC 9.1 A at 380 VAC
Engine power: 3.7 kW [5 hp]	Lighting: two goosenecks with LED bulbs
Recycling tank capacity	83 L [22 gallons]
Hose Fitting Sizes	Intake: 25 mm [1 inch] Discharge: 50 mm [2 inch]
Sound emissions	78 dB(A), no load
Size of the fume extractor	76 mm [3 inch] diameter at the orifice
Control panel	178 mm [7 inch] diagonal 320 x 240 pixels 256-color display, backlit NEMA4 (IP65) water resistant
T-Slot Table Dimensions	365 x 254 mm [14.375 x 10 in]; 12 mm wide T-slots
Distance of the courses	Z-axis: 150 mm [5.75 in] Y-axis: 260 mm [10.25 in] X-axis: 70 mm [2.75 in]
Automatic feed rate on the Y axis	0.3-2mm/s [0.7-5inches/min]
Window size	356 x 305 mm [14 x 12 inches]
Shaft and diameter of the abrasive disc	32 mm [1.25 inch] and 305 mm [12 inch] maximum
Disk speed	2600 rpm at 50/60 Hz; 2700 m <sup>2</sup> /min [8200 ft <sup>2</sup> /min]
Maximum cutting diameter	110 mm [4.375 inches]
Cutting disc torque	14 N m [121 in/lb]
Cutting chamber (W x L x H)	914 x 558 x 203 mm [36 x 22 x 8 inches]
Compliance	EC Directives

