

# High Performance for High Volume Environments



## AutoMet™

The AutoMet grinder-polisher is a high performance machine, designed for reliability, flexibility, and ease of use.

Ensure reproducible results with the intelligent programming and functionality of the Pro models. Ideal for customers in demanding environments needing to process a high volume of samples.

### Ordering Information

Part Number	Description
49-7257	AutoMet 250
49-7258	AutoMet 250 Pro
49-7268	AutoMet 300 Pro

### Technical Specifications

	AutoMet 250	AutoMet 250 Pro	AutoMet 300 Pro
<b>Machine Power</b>	100-240VAC, 50/60Hz 1 phase		170 - 240VAC, 50/60Hz, 1 phase
<b>Motor Power</b>	1 hp (750W)		2 hp (1500W)
<b>Platen Diameter</b>	8in [203mm], 10in [254mm]		10in [254mm], 12in [305mm]
<b>Platen Wheel Speed</b>	10-500rpm in 10rpm increments		50-400rpm in 10rpm increments
<b>Wheel Direction</b>	Platen:Counter-Clockwise, Head:Clockwise/Counter-Clockwise		
<b>Base &amp; Head Power Usage</b>	1730 W (1.1Kw @ 115V)		3600 W (3.6kW) @ 220V
<b>Touchscreen Control Panel</b>	Membrane	Full color LCD Screen, 7in [75mm] diagonal	
<b>Base &amp; Head Sound Rating</b>	70dB @500rpm/60rpm		74.5dB @400rpm/ 150rpm
<b>Head Motor Power</b>	0.125hp (116W)		0.75hp (560W)

	AutoMet 250	AutoMet 250 Pro	AutoMet 300 Pro
<b>Water Supply Pressure</b>	40-100psi (2.5-6.5 bar)		
<b>Head Wheel Speed</b>	30 - 60 rpm in 10 rpm increments		60 - 150 rpm in 10 rpm increments
<b>Central Specimen Force</b>	5-60 lbs (20-260N)		10-120 lbs (40-535N)
<b>Single Specimen Force</b>	1-10lbs (5-45N)		1-20lbs (5-90N)
<b>Central Force Specimen Capacity</b>	1in, 1.25in, 1.5in, 25mm, 30mm, 40mm		1in, 1.25in, 1.5in, 25mm, 30mm, 40mm, 50mm
<b>Single Force Specimen Capacity</b>	1in, 1.25in, 1.5in, 25mm, 30mm, 40mm		1in, 1.25in, 1.5in, 25mm, 30mm, 40mm, 50mm
<b>Air Supply Hose</b>	0.23in [6mm] OD tube		
<b>Air Supply Pressure</b>	35 psi (+/- 1 psi) or 2.4 bar (+/- .07 bar)		
<b>Weight</b>	170lbs [77kg]		219lbs [99kg]
<b>Compliance</b>	CE Directives		



**BUEHLER Worldwide Headquarters**  
**North America-South America Offices**  
 41 Waukegan Road  
 Lake Bluff, Illinois 60044-1699 USA  
 P: 800 BUEHLER (800-283-4537)  
 P: (847) 295-6500  
[www.buehler.com](http://www.buehler.com) | [info@buehler.com](mailto:info@buehler.com)

**European Headquarters**  
**BUEHLER Germany**  
[info.eu@buehler.com](mailto:info.eu@buehler.com)

**BUEHLER France**  
[info.eu@buehler.com](mailto:info.eu@buehler.com)  
**BUEHLER United Kingdom**  
[info.eu@buehler.com](mailto:info.eu@buehler.com)

**BUEHLER China**  
[info.cn@buehler.com](mailto:info.cn@buehler.com)

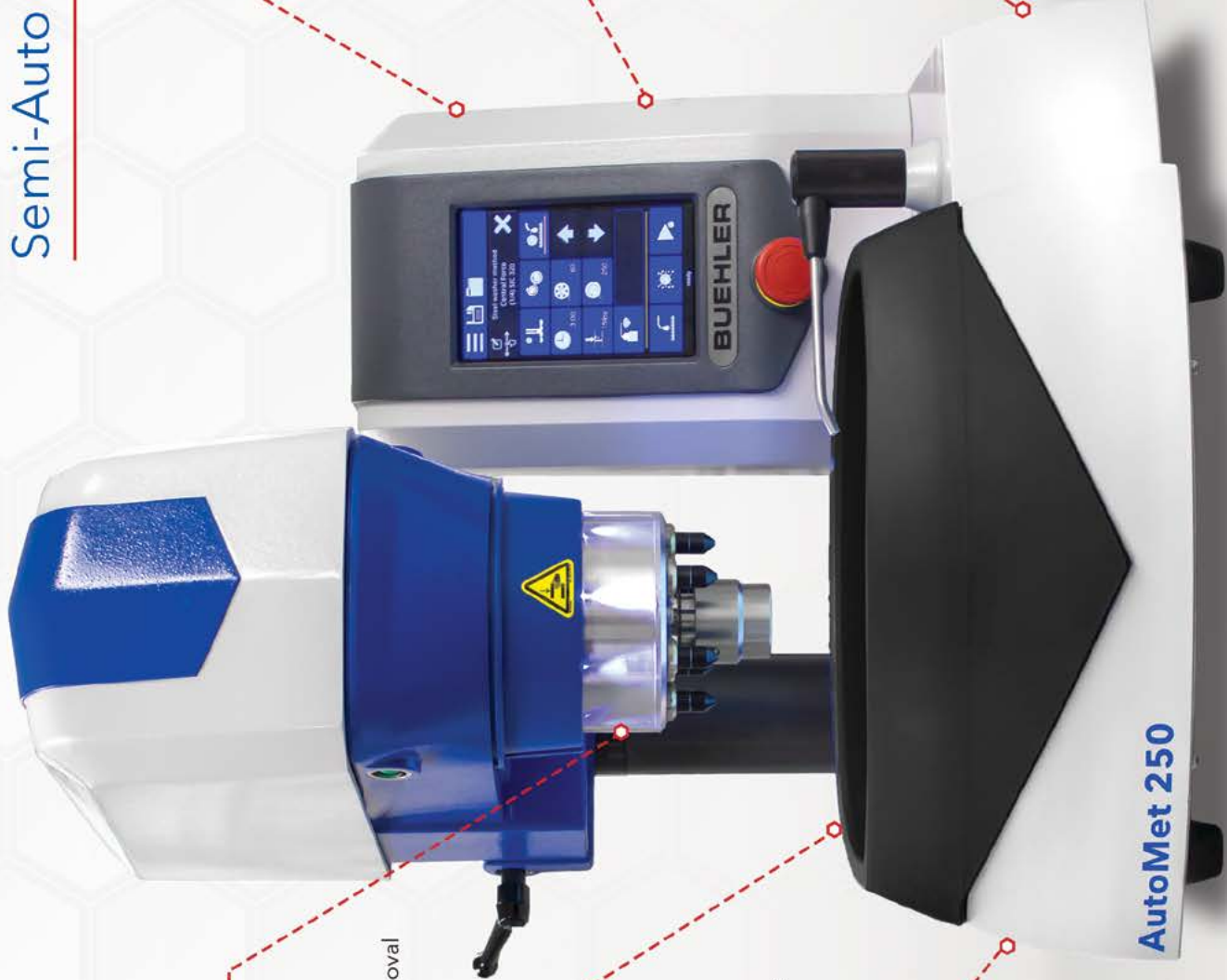
**BUEHLER Japan**  
[info.japan@buehler.com](mailto:info.japan@buehler.com)

**BUEHLER Asia-Pacific**  
[info.asia@buehler.com](mailto:info.asia@buehler.com)



# AutoMet™

Semi-Auto Grinder-Polishers



### Z-Axis Material Removal

Controlled material depth removal for high accuracy



### Quick Clean Features

Adjustable water spout and Rinse and Spin feature save time and effort during daily cleaning



### Durable Metal Casting

Adds robustness and stability



### Intuitive Touchscreen Interface

Simple to learn and quick to operate



### Advanced Programming

Store methods for highly reproducible results



### Automatic Burst Dispensing

Optimize repeatability while preserving abrasive

Designed for Demanding Production Lab Environments



Strong Partner, Reliable Solutions