



Planar Grinder

PlanarMet™ 300 Planar Grinder

The PlanarMet 300 bench top planar grinding machine with a high torque, continuous duty, 5.7Hp motor has an aggressive material removal rate normally seen in much larger, more expensive floor model machines. Convenience features such as an integrated auto wheel dressing and built in cooling make it easy to get consistent results.



High Quality Results

- Auto Dressing System ensures fresh consistent abrasive surface giving consistent results.
- Controlled material depth removal (Z-axis) is programmable and accurate to 0.01mm.
- High water flow and unique manifold keeps specimens cool, minimizing subsurface damage

Save space

- Compact format that is just as powerful as large, floor standing models
- Bench top design ideal for direct integration to bench top polishing steps

Flexibility to adapt to changing needs

- Choice of grinding stones available for almost any material application
- Timed cycle provides flexibility in methods

Part Number	Voltage/Frequency
49-10000-250	208-240VAC, 50Hz, 3-Phase
49-10000-260	208-240VAC, 60Hz, 3-Phase
49-10000-450	380-480VAC, 50Hz, 3-Phase
49-10000-460	380-480VAC, 60Hz, 3-Phase

Dimensions: 21.25in [539mm]W x 31in [787mm]D x 29.75 [755mm]H

Tips, Tricks & Techniques



Benefits of planar grinders:

- Reduce process steps and grind 4X faster compared to SiC paper
- Go from 3 grinding steps to just 1 step

Accessories & Consumables for PlanarMet 300

Grinding Stones



Planar Grinding Stones are multi-use abrasive discs designed for the PlanarMet 300. They provide high material removal rates and consistent scratch patterns.

Size: 12in [305mm], 1in [25mm] thickness
Grit: 120grit [P120] Alumina or SiC

Part Number	Description
49-7280	Alumina Grinding Stone
49-7281	SiC Grinding Stone
49-100	Replacement Dressing Stick, Metal-Matrix Diamond
49-1001	Chuck adaptor for legacy specimen holders

Recirculation System



Recirculation tank on wheels for use with PlanarMet™ 300.

Part Number	Capacity	Voltage/Frequency
56-0026	12gal [60L]	380-400VAC, 50/60Hz
56-0027	12gal [60L]	200-240VAC, 50/60Hz

Visit www.buehler.com for ordering information.