

Planmeca PlanMill® 50 S

Powerful 5-axis milling unit
for dental labs



Versatile dental milling

The 5-axis **Planmeca PlanMill® 50 S** unit is a powerful tool for wet and dry milling of discs and blocks. Equipped with a high-speed spindle and an automatic changer for 12 tools, the powerful milling unit has been designed specifically for dental labs.

Planmeca PlanMill® 50 S can be used to mill discs, blocks and prefabricated titanium or cobalt chrome abutments. The easy-to-use CAM software of the unit supports open STL files.

Highlights

- 5-axis milling unit for dental applications
- Discs and blocks, milling and grinding
- Wet and dry processing
- 12 tool automatic changer (measurement and tool check after each processing step)
- Integrated PC with touchscreen
- Easy to use control software
- Indication support for bite splints, hybrid abutments and 3D models
- Yearly maintenance and calibration check-up by technician
- User maintenance (tools, cleaning, spindle, coolant tank)



Technical specifications

Dimensions when closed (W x H x D)	566 x 612 x 665 mm (22.3 x 24.1 x 26.2 in.)
Weight	95 kg (209.4 lbs)
Cover	Swivel hood with safety interlocking
Consumption of compressed air	Approx. 60 l/min (min. 6.5 bar)
Spindle	60 000 rpm
Tool Changer	12 tool positions, automated
CAM software	Automated toolpath calculation with Planmeca PlanCAM™ software

Planmeca PlanCAM™ software

Included in Planmeca PlanMill 50 S delivery	✓
Direct launch from PlanManager (PlanCAD Premium)	✓
Very easy to use interface with 4-step process	✓
Blank management – saves used space inside the blank	✓
Automatic tool path calculation depending on selected indication type	✓
Templates for soft materials and glass ceramics (Zr, Wax, PMMA, PEEK, e.max, etc.)	✓
Templates for Prefabricated Abutments (Ti, CoCr)	✓
Automatic pin reduction	✓

Milling materials

Standard 98mm blank with shoulder

- Zirconium
- PMMA
- WAX
- Peek

PlanMill blocks

- Glass Ceramics
- Reinforced Glass Ceramics
- Reinforced Composites
- Temporary materials

Prefabricated Abutments **NEW!**

- Titanium
- CoCr



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