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# Planmeca PlanMill® 50 S

## Powerful 5-axis milling unit for dental labs



ENGLISH

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# 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.



Accurate and reliable results

## 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 | ✔ |

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# 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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**PLANMECA**

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