



Wet Dental Mill

DWX-42W

by  **Roland**

Intelligent Machine. Effortless Production. Superior Results.

Introducing the DWX-42W 4-Axis Wet Dental Mill

From in-clinic to high-efficiency lab production, the DWX-42W wet dental mill optimises your materials' full potential. Offer on-demand production of high-accuracy, high-aesthetic, popular dental prosthetics.

DWX-42W



Incredibly Accurate & High-Aesthetic Restorations

Wet mill glass ceramic and composite resin pin-type materials to produce high-quality crowns, copings, bridges, inlays, onlays and more.

Elevated Performance



UP TO 50% FASTER

than previous generation DGSHAPE wet mill



6-Station Automatic Tool Changer (ATC) for uninterrupted production



New burs for greater stability and fine milling quality



Newly designed nozzles and expanded coolant tank for greater flow and capacity



Increased machine rigidity for enhanced overall performance



Specially Designed Spindle

65%
LESS AIR
VOLUME

50%
LESS AIR
PRESSURE

Optimum performance with less air pressure and volume required

Designed and built by DGSHAPE using more than 35 years of cutting-edge engineering excellence

35

A robust, all metal spindle offers solid performance and maximum efficiency

Doesn't require a high-volume compressor - perfect for in-clinic use

Fits Effortlessly into any Lab or In-Clinic Workflow

High-Efficiency Lab

- Expand production by adding the DWX-42W as a standalone wet milling option to produce popular glass ceramic and composite resin prosthetics on demand.
- Get the same DGSHAPE by Roland open architecture flexibility and high-quality performance in a wet mill.

In-Clinic

- Offer your patients a same day service by milling ultra-accurate restorations with a fast, automated device and intuitively easy workflow.
- Open architecture makes it incredibly easy to integrate the DWX-42W with your existing scanning devices.

Enhanced User Experience

New Ethernet LAN Connectivity

Better integration with scanners and hardware within your digital workflow.

User-friendly Virtual Machine Panel (VPanel)

Enables convenient production and device monitoring from your computer, including tool life, operational status and maintenance procedures.

Multi-CAM Software Compatible

Compatible with open-architecture CAM software to accept all STL files and support milling of a wide range of materials.




DWX-42W

Specifications		
Cutttable material*		Glass ceramics, composite resins
Loadable workpiece shape	Pin-type	Max. 40 (W) × 20 (D) × 20 (H) mm (1.5 × 0.8 × 0.8 in.)
Operating speed	XYZ axis	6 to 1800 mm/min. (0.24 to 70.9 in./min.)
Spindle speed		15000 to 60000 rpm
Rotary axis travel angle	A	±360°
Number of burs housed		6
Attachable bur	Shank diameter	3 mm, dedicated grinding bur
Required compressor specifications (Oil-free, with dryer)	Pressure	0.3 MPa or higher
	Air capacity	39 l / min or higher
Interface		USB or Ethernet (10 BASE-T/100 BASE-TX automatic switching)
Control command sets		RML-1, NC code
Power requirements		AC 100 to 240 V ± 10%, 50/60 Hz (overvoltage category: II, IEC 60664-1), 21A
Power consumption		Approx. 190 W
Attachable bur		Shank diameter: 3 mm, dedicated grinding bur
Operating noise	During operation	70 db (A) or less (when not cutting)
	During standby	48 dB (A) or less
External Dimensions		482 (W) × 560 (W) × 600 (W) mm (19 × 22 × 23.6 in.)
Weight		61 kg
Installation environment		Indoor use at altitudes up to 2000 m, Temperature: 5 to 28°C (41 to 82°F), Humidity: 35 to 80% RH (no condensation), Ambient pollution degree: 2 (as specified by IEC 60664-1), Short-term temporary overvoltage: 1440 V, Long-term temporary overvoltage: 490 V
Included items		Power cable, USB cable, Manuals, DGSHAPE software package CD, Automatic correction jig, Grinding burs, Hexagonal screwdriver, Collet Maintenance Kit etc.

Specifications, designs and dimensions listed may be subject to change without notice.

* Even when made from the described materials, some workpieces cannot be milled due to specifications or physical properties. For more information, contact your authorised Roland DG Corporation dealer.

Accessories		
Item	Model	Description
Grinding burs (High-quality)	ZGB2-125D	R1.25 mm (ø 2.5 mm) replacement bur
	ZGB2-50D	R0.5 mm (ø 1 mm) replacement bur
	ZGB2-25D	R0.25 mm (ø 0.5 mm) replacement bur
	ZGB2-125DS	R1.25 mm (ø 2.5 mm) replacement bur
Grinding burs (Standard)	ZGB-125D	R1.25 mm (ø 2.5 mm) replacement bur
	ZGB-50D	R0.5 mm (ø 1 mm) replacement bur
	ZGB-25D	R0.25 mm (ø 0.5 mm) replacement bur
Collet	ZC-3D	Replacement collet
Coolant Filter	ZF2-CLD	Replacement filter for coolant tank x 2
Coolant Additive	ZAW-1000D	Additive for coolant 1000 ml
Chelating Additive	ZCH-100D	Coolant additive chelating agent 100 ml

Roland Care Warranty	
	Enjoy the peace of mind of having one of the most comprehensive warranty packages in the industry, included with the DWX-42W.

DGSHAPE by Roland

Roland has been at the forefront of advanced machine manufacturing for over 35 years, providing practical and reliable technology with unmatched service and support. DGSHAPE by Roland further delivers on this reliability promise but also improves user experience, making it incredibly easy for labs and clinics to produce high quality, cost-effective dental prosthetics while improving workflow efficiencies.

DGSHAPE reserves the right to make changes in specifications, materials or accessories without notice. Actual device output may vary. For optimum output quality, periodic maintenance to critical components may be required. Please contact your DGSHAPE dealer for details. No guarantee or warranty is implied other than that expressly stated. DGSHAPE shall not be liable for any incidental or consequential damages, whether foreseeable or not, caused by defects in such products. All trademarks are the property of their respective owners. Three-dimensional data files may be protected under copyright. Reproduction or use of copyrighted material is governed by local, national, and international laws. Customers are responsible for observing all applicable laws and are liable for any infringement. DGSHAPE Corporation has licensed the MMP technology from the TPL Group.



AUTHORISED DEALER: