

ADVANCING DENTAL PRECISION

Milling Mastery, Defined.
The Future of Lab Efficiency

 **DGSHAPE**
Roland DG Group Company

NeoMill

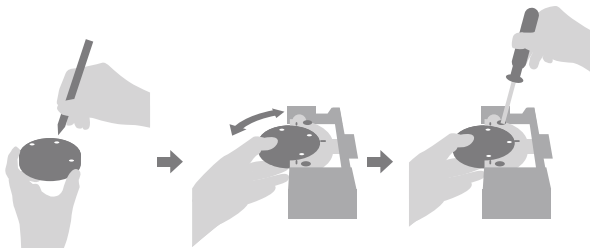


DWX-52Di Plus

Precision Performer and Efficiency Expert

Introducing the New DWX 52Di Plus 5-Axis Dental Mill for Maximum Efficiency and Production

When designing this new model of the industry's best-selling series of dental mill. It was important to keep everything users love. Then make it even better, capable of producing a wide range of restorations, including crowns, copings, bridges, inlays and onlays, veneers, abutments, implant bars, screw-retained crowns, the DWX-52Di Plus 5-Axis dental mill offers a high reliable, precise, enhanced capabilities to make your lab more efficient and productive.



New C-type Clamping System

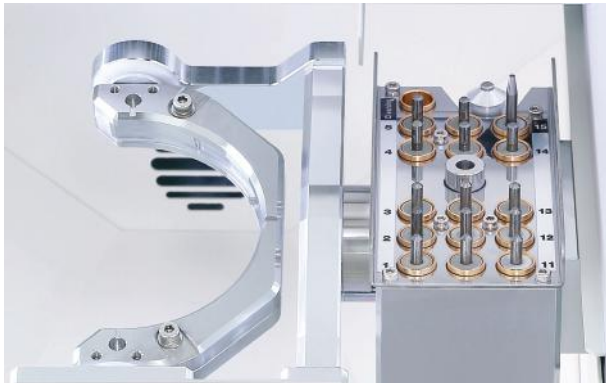
The new C-type clamp system for 98.5mm discs offers fast and secure set-up of Zirconia, Wax, PMMA, gypsum, PEEK, glass fiber-reinforced resin, composite resin and CoCr sinter metal materials. The new C-type clamp enables greater material utilization.



More Comprehensive Solution

The DWX-52Di Plus 5-Axis dental mill can produce a wide range of restorations, including crowns, copings, bridges, inlays and onlays, veneers, abutments, implant bars, screw-retained crowns.

DWX-52Di Plus

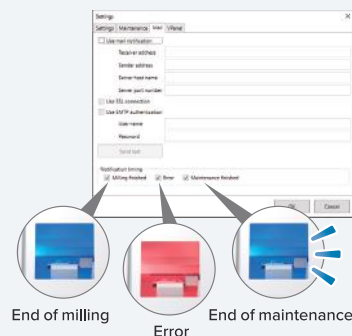


15-Station Automatic Tool Changer (ATC)

The DWX-52Di Plus provides continuous, unattended milling with a 15-station Automatic Tool Changer (ATC) and includes dedicated slot for an included cleaning tool. Now you can load the included cleaning tool into the ATC and set it up to automatically sweep away zirconia powder and other material dust for a cleaner milling surface.

User-friendly Design

A user-friendly Virtual Machine Panel (Vpanel) enables convenient production and device monitoring from computer. Email notifications keep you informed of operational status, including milling and maintenance completion, or any errors in order to minimize down time.



Precision 5-Axis Milling

The DWX-52Di Plus simultaneously rotates and tilts discs for deep undercuts and milling large arch applications and other full-mouth restorations with ease.

Intelligent Tool Control

VPanel operation has upgraded to include the Intelligent Tool Control function that intuitively swaps out tools from their stocker position when they have reached their user-defined lifespan with a designated replacement tool without needing to pause production.

Comprehensive Support Network

In addition to online or telephone assistance, DGSHAPE also offers educational seminars aimed at increasing customers' familiarity and confidence with products and services. Service engineers are also available worldwide to assist customers with any questions they may have.



DWX-52Di Plus

Specifications		
Millable Material	Zirconia, Wax, PMMA, Composite Resin, PEEK, Gypsum, Glass-Fiber-Reinforced Resin	
Loadable workpiece shape	Disc-type (with step)	Step section: 98.5 mm (3.88 in.) (diameter), height 10 mm (0.39 in.) Body section: 95 mm (3.74 in.) (diameter), height max. 60 mm (2.36 in.)
Operating speed	XYZ axis: 6 to 1,800 mm/min. (0.24 to 70.9 in./min.)	
Spindle motor	Brushless DC Motor	
Spindle rotating speed	6,000 to 30,000 rpm	
Rotary axis travel angle	A: $\pm 360^\circ$, B: $\pm 30^\circ$	
Number of milling burs housed	15	
Attachable milling bur	Shank diameter: 4 mm (0.16 in.), Length: 40 to 55 mm (1.57 to 2.17 in.)	
Compatible compressed air	0.02 to 0.2 Mpa	
Control command set	RML-1, NC code	
Interface	USB	
Power requirements	AC 100 V to 240 V $\pm 10\%$, 50/60 Hz (overvoltage category II, IEC60664-1), 2.0 A	
Power Consumption	Approx. 200 W	
Operating noise	During operating: 70 dB (A) or less (when not cutting), During standby: 45 dB (A) or less	
External dimensions	Width x Depth x Height: 495 x 660 x 600 mm (19.5 x 26.0 x 23.6 in.)	
Weight	67 kg (147.7 lbs.)	
Installation environment	Indoor use, Altitude: Up to 2,000 m (6,562 ft.), Temperature: 5 to 40°C (41 to 104°F), Humidity: 35 to 80% (no condensation), Ambient pollution degree: 2 (as specified by IEC 60664-1), Short-term temporary overvoltage: 1,440 V, Long-term temporary overvoltage: 490V	
Included Items	Power cord, USB cable, Manuals, DGSHAPE Software Package CD, Detection pin, Automatic correction jig, Material Adapter Rack, Pin-type material adapter, Hexagonal driver, Spanner (for clamp), Spanner (for spindle), Milling bur holders, Milling bur positioner, Cleaning tool, Option adapter ID labels, Dust collection hoses, Dust collection hose adapter, Regulator, Cleaning brush etc.	

DWX-52D Plus

New Clamping System:

A new snap-on clamp system with 6 included adapters for 98.5mm discs offer fast and secure set-up of different materials.

User-friendly Design:

A user-friendly Virtual Machine Panel (Vpanel) enables convenient production and device monitoring from your computer.

Adaptor Rack for Increased Efficiency:

6 adapters for 98.5mm material discs are included as standard with the DWX- 52D Plus allowing you to queue up multiple milling jobs for efficient job management. An optional disc adapter rack is also available.



Specifications	
Millable Material	Zirconia, Wax, PMMA, Composite resin, PEEK, Gypsum, Glass fiber reinforced resin
Spindle Rotating Speed	6,000 to 30,000 rpm
Rotary Axis Travel Angle	A : $\pm 360^\circ$, B: $\pm 30^\circ$
Number Of Milling Burs Housed	15
Compatible Compressed Air	0.02 to 0.2 Mpa
Interface	USB
Power Consumption	Approx. 200 W
Weight	67 KG (147.7 lbs.)

DWX-43W

DGSHAPE's introducing the DWX-43W wet milling solution brings faster milling times for traditional ceramics and custom titanium abutments while reducing operating costs and increasing ROI.

- ✦ Faster Milling Times
- ✦ No More Costly Filters
- ✦ Reduced Routine Maintenance
- ✦ Expanded Milling Capabilities Built-In
- ✦ DGSHAPE CAM Software & Bonus Tooling Included

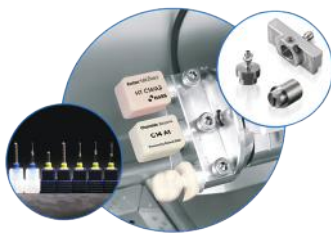
Faster Milling Times: New DGSHAPE CAM dedicated CAM software included with purchase decreases milling times by up to 20% while increasing milling efficiency and predictability. Use the "quick mill" option to select frequently used materials and start milling with ease and precision.



Reduce the Cost of Use..."NO Filters Required!"
New Filter-Free technology eliminates the need for costly coolant tank filters, reducing the cost of use by 20%...Exclusive to the new DWX-43W.

Increased Productivity Means Increased ROI!

Milling downtime costs time and money for your dental business. The new DWX-43W's Coolant Optimization and Draining Cycle automatically rinses the milling chamber with coolant every 12 hours and minimizes overall user maintenance. That's maximizing ROI.



Hot off the "Mill"... New DWX-43W comes with Perks!

- ✦ Added Value: Includes a total of 15 authentic DGSHAPE wet milling tools for greater ROI and get you up and milling.
- ✦ New internal material adapter and coolant tank tray designs are compatible with the AK-1 Material Adapters (AK-1-ME, AK-1-DE, AK-1-GE) for milling of Custom Titanium Abutments with pre-mill blanks from MEDENTiKA®, DESS®, and GeoMEDI®.
- ✦ Mill 6 units at a time with the 6-pin material adapter (#ZV-42W) accessory for expanded milling capabilities and productivity. - Now Included.

Versatile Performer for In-House Production: The DWX-43W mills a wide variety of materials, including sintered zirconia, glass ceramics, composite resins, hybrid-ceramics, and PMMA, consistently and accurately producing small-bridges, single crowns, screw-retained crowns, veneers, inlays, onlays, & copings.



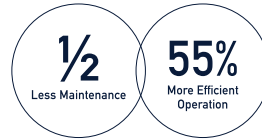
- ✦ Glass Ceramics
- ✦ Composite Resin
- ✦ PEEK
- ✦ Sintered Zirconia
- ✦ PMMA
- ✦ Titanium Alloy

Automated Maintenance Features Save Time

Tank cover folds flat for easier access



Auto-rinse every 12 hours



Vpanel for DWX

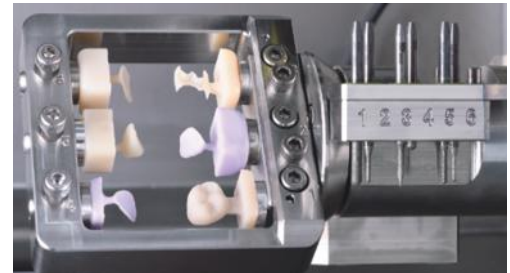
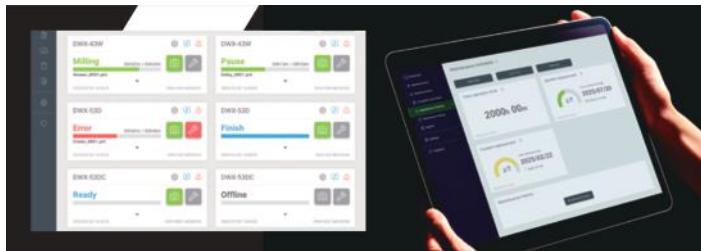


Faster Milled Production

The included multi-pin clamp accessory saves you time, allowing you to add up to six units simultaneously and batch mill without compromising quality

6 Mill up to applications simultaneously

Stay Tuned-In to Tune-Up with DGS SHAPE Insights



Specifications	
Compatible Materials	Traditional & Pre-Crystallized Lithium Disilicates, Glass Ceramics, PMMA, Hybrid Ceramics, Chairside Zirconia-Powered by Roland DGA, Composite Resins, and Pre-Mill Titanium Blanks
Spindle Speed	15,000 to 60,000 RPM
Rotary Axis Travel Angle	A Axis : ± 3600 ,
Air Requirements	Pressure: 0.2 Mpa or More Capacity: 39 L/min or More
External Dimensions	19 in. x 22 in. x 23.6 in. (WDXH)
Weight	134.48 lbs (61 kg)
Abutment Material Adapter Compatibility	AK-1-ME (MEDENTiKA [®]), AK-1-DE (DESS [®]), and AK-1-GE (GeoMEDi [®])
Automatic Tool Changer	Houses 6 Milling Tools
Additional Features	Filter-less Coolant Tank Technology, Enclosure System, and Automatic Draining Cycle
Accessories Included	DGSHAPE CAM Software, 6-Pin Material Adapter (#ZV-42W), ZGB2-125D (3), ZGB2-125DS (1), ZGB2-75D (1), ZGB2-50D (3), ZGB2-25D (1), ZGB-125D (3), and ZGB-50D (3)
Interface	USB / LAN Connectivity
Loadable Workpiece	3 Standard Mandrel Material CAD/CAM Blocks with Internal Adapter 6 Standard Mandrel Material CAD/CAM Blocks with Included 6-Pin Adapter

NeoMill

Engineered for Speed, Precision & Stability

A Next-Gen Milling Solution for Efficient, Reliable, High-precision Workflows.

NeoMill is a high-performance 5-axis dental milling machine built for precise, reliable restorations. Supporting both dry and wet milling, it delivers speed, accuracy, and material versatility for modern dental labs and advanced clinics. With intelligent tool management, robust construction, and consistent output, NeoMill is ideal for crowns, bridges, and implant restorations.

Compatible Materials:

Titanium

Pre-Milled

Glass Ceramics

Zirconia

PMMA

Wax

PEEK



5
Axis

14 Tool Auto
Changer

Dry & Wet
Modes

Mill

Up to
60,000 RPM

Technical Highlights

- ✦ High speed metal milling with powerful spindle
- ✦ Expanded 14 tools magazines for uninterrupted milling
- ✦ Milling of all important materials used in the dental field
- ✦ B-axis tilt angle up to 30°
- ✦ High frequency spindle with up to 60,000 rpm
- ✦ Integrated control PC with touch screen
- ✦ Servo motors on all axes
- ✦ Chip protection of the tool changer



Dual Mode
Dry & Wet Milling



Simultaneous
5-axis Milling



Powerful Spindle
up to 60,000 RPM



14 -Tool Automatic Changer
Reduced manual intervention



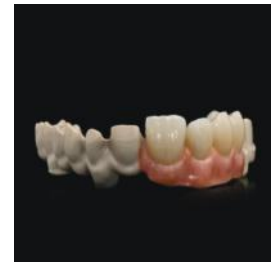
PEEK



Glass Ceramics



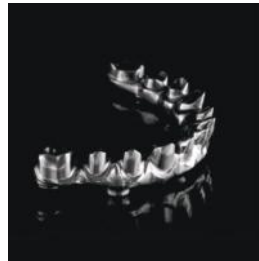
Abutment



HPP



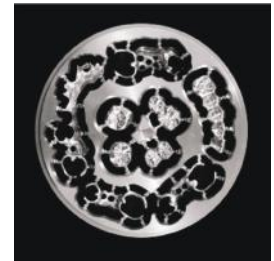
**Removable
Denture**



Implant Bridge



Implant Bar



Crowns

Strong Spindle Power

Equipped with powerful 1.8kw spindle power to ensure the milling precision and stability. (Option for upgrade to 2.5KW spindle)

Up to 60,000rpm rotating speed, capable of milling different kinds of materials for implant restorations, also for glass ceramic and premill abutment of the daily work for dental laboratories



Precise and stable milling

JDM5DW dental titanium metal milling machine uses Meehanite cast iron for its main structure material, also with its one-piece body molding, no weldings are needed, which makes the milling machine much heavier but more stable in milling the titanium restorations..

It can mill various restorations, such as implant bridge (All-on-4 and All-on-6 implant bridge) and implant bar, titanium crown, titanium premill abutment and different materials such as titanium, soft co-cr, glass ceramic, etc.

Technical Specification			
Machine Type	5-Axis Dental Milling Machine	Net Weight	233 kg
Machine Power	3.5 kW	Input Voltage	220V
A Axis Milling Angle	360°	Average Milling Time for Glass Ceramic	15-30 minutes
B Axis Milling Angle	+30° to -90°	Average Milling Time for Titanium Crown	15-20 minutes
Machine Size	642 × 642 × 722 mm (excluding foot cups)	Average Milling Time for Implant Bridge	90-180 minutes
Spindle Speed	60,000 RPM	Average Milling Time for Abutment	8-13 minutes



WHERE **TRUST** COMES **FIRST**



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Warranty Ke Baad Bhi**

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* Accessories shown may not be a part of standard equipment. Specifications are subject to change without notice.

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