



5-Axis Dental Mill with Automatic Disc Changer  
***DWX-52DCi***

# THE ULTIMATE IN 24-HOUR PRODUCTIVITY

Now with performance monitoring software

The ultimate in ease, material flexibility and unattended production, the DWX-52DCi Dental Mill expands your lab production with a 6-slot Automatic Disc Changer (ADC), 15-station Automatic Tool Changer and other automated features. It gives users of all skill levels a powerful, efficient and affordable dental restoration solution that now includes performance visualization software and other intelligent updates.

## *DWX-52DCi*



### Mill Multiple Zirconia Shades, Day and Night

Increase productivity with a mill that continues working, even when your lab is closed. Load up-to six 98.5mm discs in the ADC and mill the following materials:

- Zirconia
- PMMA
- Gypsum
- PEEK
- Glass fiber reinforced resin
- Composite resin
- CoCr sinter metal





## Performance Software for Added Efficiency

New DWINDEX software enables users to analyze production results. It offers data gathering and comparison for tool operation, material operation, and more.



## Production Made Easy with Automatic Milling

The DWX-52DCi features a 15-station Automatic Tool Changer (ATC) for continuous milling and auto-adjusted air pressure that automatically switches to the right air volume in response to the CAM software material data.

## Even Simpler Operation with Intuitive VPanel Software

An upgraded Virtual Machine Panel (VPanel) automatically swaps out used burs (ITC function), conducts machine diagnostics, and offers one-touch machine calibration. New and improved features include user-defined ATC tool positioning, email notifications for maintenance and milling status, and machine management for up-to four DWX-52DCi units at once.



## Economical Open Architecture

The DWX-52DCi doesn't tie users to specific software or proprietary control source. Users have the freedom to work with the latest CAD/CAM software, scanners and materials of their choice

## Reliability and Support

DGSHAPE by Roland ensures that your machine is always up-and-running with a one-year warranty, plus the best support in the industry from a network of customer support representatives, dedicated dealers and certified service engineers.





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Ideal for the production of high-quality bridges, crowns, inlays, onlays, abutments and other restorations.

Specifications		
<b>Cuttible material</b>	Zirconia, Wax, PMMA, Composite resin, PEEK, Gypsum, glass fiber reinforced resin, Chrome Cobalt sintered metal	
<b>Loadable workpiece shape</b>	Step section	98.5 mm (diameter), height 10mm
	Body section	95 mm (diameter), height max 35mm
	Pin diameter	Pin diameter: 6 mm
<b>Loadable workpiece weight</b>	Up to 1.87 lbs (850 g)	
<b>Number of adapters housed</b>	6	
<b>Operating speed</b>	XYZ axis: 6 to 1,800 mm/min. (0.24 to 70.9 in./min.)	
<b>Spindle motor</b>	Brushless DC Motor	
<b>Spindle speed</b>	6,000 to 30,000 rpm	
<b>Rotary axis travel angle</b>	A: ±360°, B: ±30°	
<b>Number of burs housed</b>	15	
<b>Attachable bur</b>	Shank 4 mm (diameter), 40-55 mm (length)	
<b>Compatible compressed air</b>	0.2 MPa	
<b>Interface</b>	USB	
<b>Control command set</b>	RML-1, NC code	
<b>Power requirements</b>	AC 100 VAC ±10%, 50/60 Hz (overvoltage category II, IEC60664-1), 2.0 A	
<b>Power consumption</b>	Approximately 200 W	
<b>Operating noise</b>	During operation : 70 dB(A) or less (when not cutting), During standby: 45 dB(A) or less	
<b>External dimensions</b>	Width x Depth x Height: 34.6 in. x 26.0 in. x 23.6 in. (880 mm x 660 mm x 600 mm)	
<b>Weight</b>	231.5 lbs. (105 kg)	
<b>Installation environment</b>	Indoor use, Altitude: Up to 6,562 ft. (2,000m), Temperature: 41 to 104 °F (5 to 40°C), 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: 490 V	
<b>Included items</b>	Power cord, power plug adapter, USB cable, setup guide, user manual, VPanel, Roland DG software package CD, detection pin, automatic correction jig, pin-type material adapter, hexagonal screwdriver, wrench, milling bur holders, milling bur positioner, dust collection hoses, dust collection hose adapter, regulator, cleaning tool, optional adapter ID labels, material adapters, disc adapter rack, DWINDEX reporting software, brush	
<b>Operating system</b>	Windows® 7/8/8.1/10 (32 or 64 bit)	

## DGSHAPE by Roland

For 30 years, Roland has provided 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 easy for labs to produce high quality, cost effective dental prosthetics while improving workflow efficiencies.

The DWX-52DCi is crafted in Japan as a Class I medical device. With meticulous build quality and in accordance with the highest industrial standards, it offers users added assurance should any medical compliance laws change.

Find out more about automated dental milling, day and night at [www.rolanddg-ae.com](http://www.rolanddg-ae.com)

Get social with us.



FOR MORE INFORMATION OR TO FIND A DEALER NEAR YOU, CALL +971 4 4405 400 OR VISIT [WWW.ROLANDDG-AE.COM](http://WWW.ROLANDDG-AE.COM) | EMIRATES COMPUTERS CO. L.L.C. | P.O. BOX 60983 | TAMEEM HOUSE | 10TH FLOOR | BARSHA HEIGHTS | DUBAI | UNITED ARAB EMIRATES | FAX: +971 4 4472 372

