**5-Axis Dental Mill**

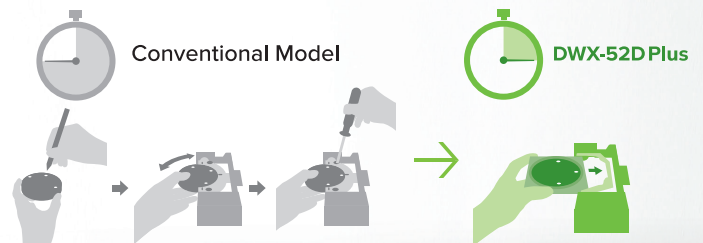# DWX-52D *Plus*

# THE NEW *DWX-52D*
## With added efficiency for next level production

With the reliable, precise and affordable DWX-52D Plus 5-Axis Dental Mill, Roland DG's, DGSHAPE has kept everything users love about DWX technology, and then made it better. With touch-button controls, improved disc handling, more material capabilities, and other enhanced features, the DWX-52D Plus offers ultimate ease and efficiency to users of all skill levels.

## Snap-In Clamp System

The new Snap-In Clamp System gives users:

- A faster and more secure disc set-up
- Indexing features to optimize two-stage processing
- Multi-device adapter integration for a convenient and scalable solution
- 90 degree milling of large full-arch and esthetic cases with optional C-Clamp Adapter (ZMA2-52D)

Conventional Model

DWX-52D Plus

DWX-52D Plus

## Increased Milling Capabilities

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

## VPanel with Intelligent Tool Changer (ITC)

Intuitive software streamlines operation with one-touch calibration, machine diagnostics, multi-device control, and an intelligent tool changing function that automatically swaps out used burs for a continuous workflow.

## DGSHAPE Cloud

Enables real-time remote monitoring of DWX devices. Access anywhere, anytime, any device.

## Efficient Job Management

The DWX-52D Plus includes six-adapters for 98.5 mm material discs as standard. These adaptors combine with an included adapter rack to cue-up multiple milling jobs for tidy and efficient job management.

## Economical Open Architecture

Users have the freedom to work with their choice of the latest CAD/CAM software, scanners and materials.

## Clean Milling Environment

Mill clean and efficient with internal dust collection, an ionizer to reduce static, and automatic cleaning brush that can be loaded into the Automatic Tool Changer (ATC) to automatically sweep away dust and debris.

## Reliability and Support

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

TROUBLE-FREE 2 YEAR WARRANTY

5-Axis Dental Mill
# DWX-52D *Plus*

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

| Specifications | | |
|---|---|---|
| **Cuttable material** | Zirconia, Wax, PMMA, Composite resin, PEEK, Gypsum, Glass fiber reinforced resin, Chrome Cobalt pre-sintered metal | |
| **Loadable workpiece shape** | External diameter | 98.5 mm |
| | Max thickness<br>Step | 45 mm<br>10 mm |
| | Pin type diameter | 6 mm |
| **Loadable workpiece weight** | Up to 1.87 lbs. (850 g) | |
| **Number of adapters housed** | 6 | |
| **Operating speed** | XYZ axis: 6 to 1,800 mm/min. (0.24 to 70.9 in./min.) | |
| **Spindle motor** | Brushless DC Motor | |
| **Spindle speed** | 6,000 to 30,000 rpm | |
| **Rotary axis travel angle** | A: ±360°, B: ±30° | |
| **Number of burs housed** | 15 | |
| **Attachable bur** | Shank diameter: 4 mm, Length: 40-55 mm | |
| **Compatible compressed air** | 0.05/0.2 MPa (Automatic switch) | |
| **Interface** | USB | |
| **Control command set** | RML-1, NC code | |
| **Power requirements** | AC 100 VAC ±10%, 50/60 Hz (overvoltage category II, IEC60664-1), 2.0 A | |
| **Power consumption** | Approximately 200 W | |
| **Operating noise** | During operation : 70 dB(A) or less (when not cutting), During standby: 45 dB(A) or less | |
| **External dimensions** | Width × Depth × Height: 19.5 in (495 mm) × 26.0 in (660 mm) × 23.6 in (600 mm) | |
| **Weight** | 147.7 lbs. (67 kg) | |
| **Installation environment** | 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),<br>Ambient pollution degree: 2 (as specified by IEC 60664-1), Short-term temporary overvoltage: 1,440 V, Long-term temporary overvoltage: 490 V | |
| **Included items** | Power cord, power plug adapter, USB cable, setup guide, user manual, VPanel software, 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, brush | |
| **Operating system** | Windows® 7/8/8.1/10 (32 or 64 bit) | |

## DGSHAPE, A Roland Company

For 30 years, Roland has provided practical and reliable technology with unmatched service and support. DGSHAPE, A Roland Company 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-52D Plus 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 next level production with the DWX-52D Plus at rolanddga.com/DWX-52D**

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