



Globally Expanding Sales Network

Through a network of sales subsidiaries and dealers, the Company’s products and services now reach 200 countries and regions around the world. Marketing and sales activities tailored to local culture and customs are headed up by a team of regional staff members to ensure a proper fit for the market and its customers.

Roland DG Care

Peace of mind and reliability from Sale to Installation and for the entire life of your machine. Roland DG Care support services safeguard your investment. It's what makes Roland DG and DGSHAPE the best in the industry.



Certified Service Engineer System

Roland DG offers a certification program for its service engineers in order to provide uniform high-quality service to our customers worldwide. SEs are instructed in how Roland DG products are built and receive in-depth training on how to carry out product installation, make repairs, conduct inspections and maintenance.



Warranty and Support

A three-year warranty plus support from a network of dedicated dealers and certified service engineers ensures that your machine is always up-and-running. From our dedicated customer support team to a wealth of training and education, DGSHAPE cares about your customer needs before and after you purchase your device.



 DGSHAPE

Dental Handbook

DGSHAPE BRAND PROMISE
DGSHAPE Corporation is a wholly owned subsidiary of Roland DG Corporation, established in 2017 to develop and market innovative fabrication technology worldwide. With 30 years' experience in innovative 3D design, DGSHAPE's core mission to "make innovation, make life better" is focused on delivering digital technologies that bring ideas to life, revolutionize business processes, and shape a better future.





Message from the President

Empowering People to Shape the Future

This is the corporate philosophy of our company that I value the most.

“Empowering People to Shape the Future” is a philosophy aimed at expanding people’s possibilities to create a better future, expressing the belief that each of us has the power to shape the future.

We believe that each step of our endeavor aimed at shaping the future leads to remarkable achievements, and we are committed to continuing to deliver market-leading products and services.

Since its establishment in 2016, DGSHAPE Corporation’s mission has been to “Make Innovation, Make Life Better” . By bridging the gap between societal and technological advances and human life with the power of digital technology and by fusing human creativity with digital workflows, we have provided solutions that meet the digitalization needs of the dental and medical markets.

Moving forward, we will continue to embrace a “challenger” spirit, passionately pursuing innovation and growth. We are committed to pushing the boundaries of technology and delivering new options and inspiration to our customers as we accelerate toward the future.

We are leveraging next-generation digital technologies such as IoT, AI, and robotics to build efficient manufacturing workflows and provide environments that foster open innovation. Furthermore, we are also focused on delivering advanced services and support based on data analysis and preventive and predictive maintenance.

Under this philosophy, DGSHAPE Corporation utilizes digital technologies to deliver high-quality products and services to customers worldwide, continuously creating new value in digital manufacturing.

Driven by passion and creativity, we will strive forward as “One Team” to deliver value that exceeds your expectations.

Junichi Toyama
President, Representative Director

A Brief History of DGSHAPE

Electronic musical instrument manufacturer "Roland Co., Ltd." established "Roland Digital Group Corporation" ("Roland DG") in 1981 to take advantage of the emerging computerised music market. Roland DG developed a device for holding pens and outputting (plotting) printed music created on Roland musical instruments. The "pen plotter" was well received by the market and was more accessible than large and expensive equipment at the time. After that, the pen plotter evolved into vinyl cutters and eventually into the large-format inkjet printer/cutter, which is the main product of Roland DG Corporation. During this evolution, engraving and milling technologies were also developed in-house to serve new market niches. Roland DG developed its proprietary 3-axis motion control firmware technology by adding a Z axis to the X and Y axes of pen plotter and in 1986 the “CAMM-3 PNC-3000” desktop milling machine was born. Since then, Roland DG has provided multiple generations of desktop CNC milling and engraving technology designed for use with the personal computer. Roland DG's 3D products are used in multiple fields and are highly regarded by customers around the world.

In recent years, 3D products that specialize in dental treatment have been released, and have been recognised as the de facto standard in the dental laboratory industry. Roland DG knew that in order to take full advantage of Dental and other 3D emerging market opportunities, a new team with dedicated resources and independent decision making authority was needed. So, in 2016, DG established a new corporate spin-off: “DGSHAPE Co., Ltd.,” which manages Roland DG's entire 3D/engraving product line. DGSHAPE Corporation, a wholly-owned subsidiary of Roland DG Corporation, will take over all 3D-related businesses. We will develop new business models and explore new markets to provide high value-added solutions with a single goal:

Empowering People to Shape the Future.



SHAPE DIMENSION

DGSHAPE is a wholly owned subsidiary of Roland DG, the world’s leading digital printing company. We also have roots in Roland, which has revolutionized the music industry through digital technologies. Together, the Roland DG Group provides products for digital artists to shape their ideas and creativity.

Since its beginnings more than 6 years ago, DGSHAPE has grown to prominence in the dental industry. We believe that dental technicians and dentists who pursue the functionality and esthetic of a single tooth, and who create designs that improve human health and enhance smiles, are indeed artists.

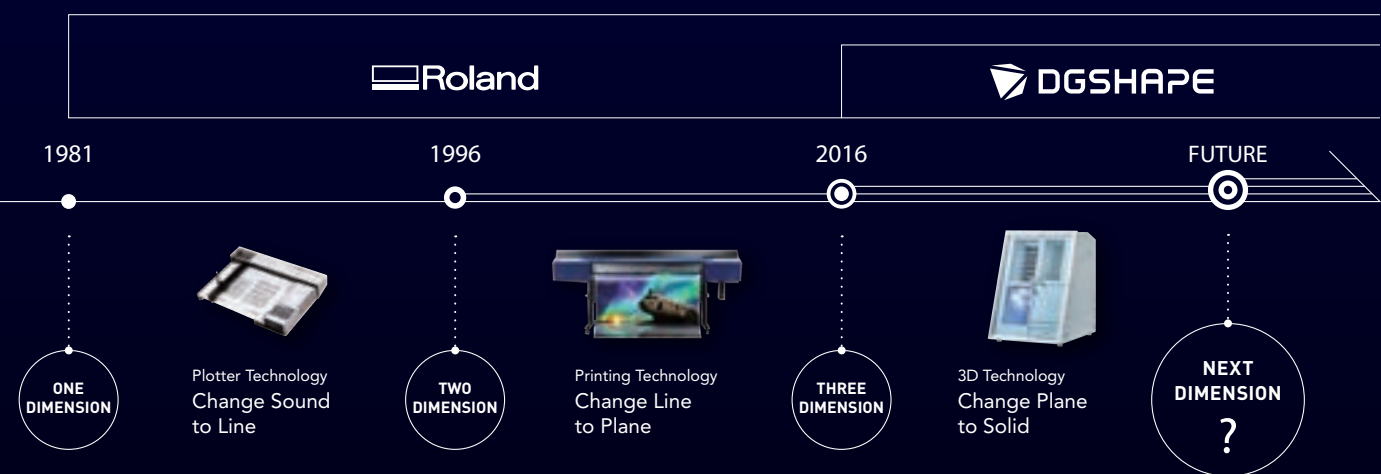
We had many opportunities to meet artists. Inspired by the extraordinary seen and unseen aspects of the world, artists believe in their own powers of imagination and diligently pursue their vision. They create ART that transcends the status quo and shapes the future.

DGSHAPE embraces its brand vision, “Empowering People to Shape the Future,” and its mission, “Make Innovation, Make Life Better.”

We have taken on many challenges and continue to innovate, from developing pen plotters to digital printers and from printers to advanced CNC 3D milling machines. Real innovation breaks with the present and moves our minds toward the future. ART is an essential part of our brand.

SHAPE DIMENSION
Together we create a new dimension to the future.

Innovation That Gives Shape to the Next Dimension



PRODUCTS



DWX Milling Machines

Roland DG has been developing CAD/CAM technology for 42 years, since releasing the first A-3 plotter in 1981. Since the first generation of DWX dental mills was released in 2009, its mills have been highly praised for their advanced machining precision as well as their desktop size, user-friendliness, open architecture for use in combination with CAD/CAM software and scanners, and affordable price, and are used in dental laboratories around the world. The current line-up includes four dry mills (DWX-53DC, DWX-53D, DWX-52Di, DWX-4), plus one wet mill (DWX-43W), which is specially designed for milling glass ceramics, and custom Titanium Abutments.

DWX-30 2009



DWX-4 2013



DWX-4W 2015



DWX-52D 2018



DWX-53DC 2022



DWX-53D 2024



DWX-50 2011



DWX-51D 2015



DWX-52DCi 2018



DWX-42W 2019



DWX Plus Series 2023



DWX-43W 2025



Technology Transforming to Art

Dental technicians create prostheses and dentures for patients, just like painters applying color by color. Each dental restoration is unique, exceptional, just like the most elaborate artwork. They have the ability to create a perfect fit for the individual characteristics of the mouth. Their porcelain work pursuing authenticity and beauty. In functionality and aesthetics, the power of dental technicians surpasses natural teeth.

"Automation" is not just the pursuit of efficiency; it is the technology to unlock the potential of human endeavor. The DWX-53DC, the latest disc changer model, enhances the value of "craftsmanship" through intelligence and vitality – state-of-the-art digital technology and machine frame embodying "SMART" to unlock the next dimension. The unlimited world of creativity unfolds beyond its frame.



DWX-53DC

Sophisticated Disc Changer with Smart Functions



DWX-53DC 2022

Automated Milling Day and Night





DWX-53DC

5-Axis Dental Mill with Disc Changer



Sophisticated Disc Changer With Smart Functions

The DWX-53DC 5-axis dry milling device optimises your production with a suite of automated features including a new and improved high-performance spindle, faster disc exchanges, a 15-slot automatic tool changer, and a new internal camera for 24/7 operational visibility. This powerful device comes complete with everything you need to begin milling PMMA, Zirconia, Acetal resin, composite resin, PEEK, PEKK and many High Polymer Dental materials. Enjoy maximum workflow flexibility while tracking your results through DGSHAPE CLOUD.

DWX-52DCi Plus

5-Axis Dental Mill with Disc Changer



Stay one step ahead of the competition,
with unprecedented efficiency and intelligence

The DWX-52DCi Plus 5-Axis Dental Mill with Disc Changer expands your lab production and profits with open architecture, material flexibility, unattended production, and now with DGS SHAPE CLOUD cloud-based software for remotely monitoring and tracking productivity and maintenance history. With a 6-slot Automatic Disc Changer, 15-station Automatic Tool Changer and other automated features, it offers the ultimate in 24-hour productivity for users of all skill levels.



DWX-53D

5-Axis Dry Dental Mill



A game-changer for dental labs and clinics looking to elevate their production capabilities

The DWX-53D is a state-of-the-art dental milling machine designed to streamline the production of high-quality dental restorations. Featuring advanced automation, it offers precision milling for a range of materials, including zirconia, PMMA, wax as well as many new generation high polymer Dental Dry Millable materials. The machine's efficient design includes an integrated camera for remote monitoring through DGSHAPE' s Insights Software allowing users to remotely monitor production. An easy-to-use software for seamless integration into dental labs improve workflow and productivity. The DWX-53D' s multi functional capabilities enable the creation of crowns, bridges, All on X, Dentures and many more complex Dental Restorative appliances.

Overall the user-friendly interface and reliable performance of the DWX-53D is ideal for dental professionals seeking to enhance their capabilities and deliver exceptional results to patients.



DWX-52D Plus

5-Axis Dental Mill



Consistent Performance, Trusted Reliability

The DWX-52D Plus provides cutting-edge technology in a precise, easy to operate 5-Axis Dental Milling Device. Access up to fifteen different milling tools or take advantage of intelligent tool control to automatically switch tools when they reach their anticipated lifetime. Make mill operation worry free with automated air pressure, dust collector control and a new cleaning tool that removes zirconia dust for a safer milling environment. A new spindle, collet, spindle belt, and tool holder increases grip force by 1.8x and provides enhanced rigidity, offering greater PMMA milling performance, and better milling accuracy.

DWX-4

4-Axis Dental Mill



Start Small to get BIG Results

The industry's most cost-effective and user-friendly dental mill, the DWX-4 is a small dental milling machine that produces crowns, copings, bridges and hybrid abutments with precision and ease. The DWX-4 is the ideal device for labs and practices just getting into digital milling. With the DWX-4 dental milling machine, you can quickly and economically mill on-demand in a wide variety of materials, including the latest composite resins.



DIGITAL DENTURE SOLUTION

Shape Smiles for All

DGSHAPE's Denture Kit lets you choose to produce custom dentures with heat-cured or cold-cured acrylic. Carded, milled, or printed teeth are set in minutes as tooth pockets are milled into the denture base to ensure ease of sitting. Take the process a step further using the carded tooth tray and produce an aesthetic, full denture in less than four hours. Along with offering a choice of workflows, using the denture kit lowers production costs and improves turnaround times while providing high-quality output, making it the ideal digital denture solution.



Tooth-setting simplified

Easily fit carded, milled, or printed teeth into milled pockets

Affordable aesthetic solution

Create aesthetically pleasing, custom-made full dentures in-house and save money instantly.

Faster turnaround time

Employ this digital workflow and put the time you save back into your business.

Heat-cured compatible

Choose to use heat-cured or cold-cured acrylic with your denture kit.

Open solution

The denture kit is compatible with the latest CAD software, including 3Shape's Dental System and exocad.

Genuine DGSHAPE tools provide optimum performance to reduce milling times and assure high quality results.

Denture Kit for DWX Dry Dental Mills

CA-DK2

Compatible Dental Mills

DWX-52DCi / 52DC / 52D / 52D Plus / 52DCi Plus



CA-DK2-FX × 15°



CA-DK2-TR × 15°



Silicone stand × 2



Milling bur
ZRB-150D
ZPB-100D/50D/30D



*Consumables can be purchased separately for your favorite workflow.

DK2-53

Compatible Dental Mills

DWX-53DC



DK2-53-FX × 15°



DK2-53-TR × 15°



Silicone stand × 2



Milling bur
ZRB-150D
ZPB-100D/50D/30D



*Consumables can be purchased separately for your favourite workflow.

Choose between two types of workflows

Denture Base workflow

The optimised tray shape and 3mm or 4mm roughing tool reduce material costs and milling time. A temporary bond can be used to fix carded teeth for test fittings.



Manual work time: 50 mins
Milling time: 2 hrs 15 mins*

*Milling time varies according to denture size and DWX model.



*The workflow with heat-cured acrylics is different.



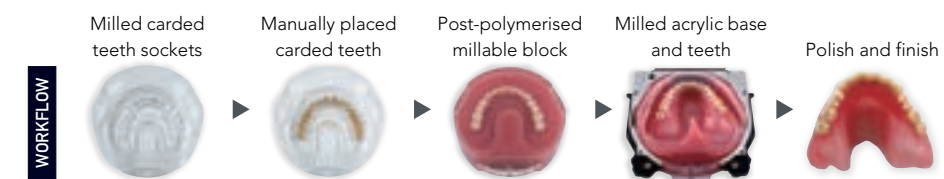
Removable Denture workflow

Set teeth easily after milling sockets into the tray, prior to polymerisation. Then, complete the workflow to produce a fully finished denture. The resulting bond is both extremely strong and yields a more natural looking product.



Manual work time: 25 mins
Milling time: 3 hrs 15 mins*

*Milling time includes sockets milling.
*Milling time varies according to denture size and DWX model.



*The workflow with heat-cured acrylics is different.





Milling Tools for Dry Mills

Premium Diamond Coated Tools

Sierra’s Premium Diamond coated tools are the longest lasting tools in the industry. Our true diamond technology sets the standard for the competition. We combine efficient cutting geometry and our proprietary chemical vapor deposition process to achieve unmatched performance in modern dental materials.

- > Best Performance in the Industry - Life up to 10x of conventional tools
- > Real Diamond Grown on the Tool Surface - hardest material known
- > Extremely Sharp Cutting Edge Reduces Margin Chipping
- > Low Coefficient of Friction (Similar to Teflon)
- > Highest Tensile and Compressive Strength
- > Best tool Available to Mill Zirconia



Midline CVD Diamond

Sierra’s Mid line CVD tool is the perfect alternative to our Premium CVD diamond tool. Enjoy high quality, validated tooling at a lower initial price point. Available in 2mm, 1mm, 0.6mm, 0.3mm Ball End Specifically designed for Zirconia Milling

- > Real Diamond Coating
- > High performance – up to 5x conventional burs
- > Sharp Cutting Edge Reduces Margin Chipping
- > Robust, Industrial Cutting Geometry
- > High Quality Tungsten Carbide
- > No Slip - Centerless ground shank



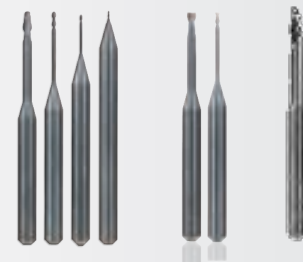
Milling Tools for Dry Mills

Premium Carbide

Our Premium Carbide tools are specially designed to outperform in Wax and PMMA. They’re a vast improvement over other non-coated tools. Sierra employ proprietary Lapped Edge Technology to produce a cutting edge that’s far sharper than anything else on the market.

Available in 3mm, 2mm, 1mm, 0.6mm, 0.3mm Ball End and 2mm, 1mm Flat End Tools.

- > Sharpest cutting edge in the industry
- > Proprietary Lapped Edge Technology
- > High Grade Tungsten Carbide



NEW DLC Coated Tools for High Polymer Dental Materials

The DLC Coated tools are our newest innovation for the dental lab industry. The 2mm tool is designed to clean as it cuts removing excess swarf material. This new feature helps the tool run cleaner and last longer. The DLC Coating offers Low Coefficient of Friction (similar to Teflon), to aid in better cutting performance and superior surface finish on milled restorations.



Extraction Options



THE WORLD LEADER IN
FUME EXTRACTION TECHNOLOGY

BOFA Fume Extraction Units

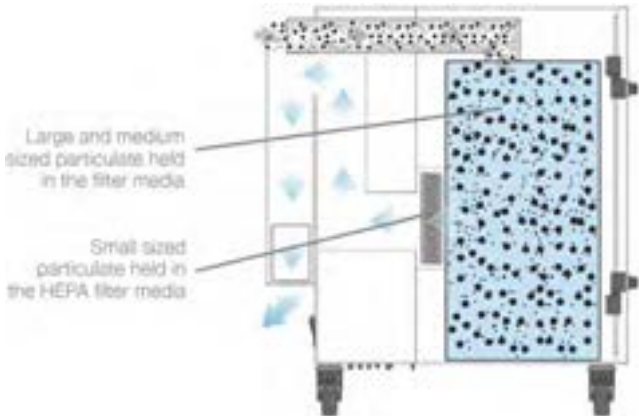
BOFA is considered to be marklet leaders in the fume and dust extraction induntry. Tailored specifically to the Dental Industry, BOFA's DentalPRO systems remove harmful dust and particulate through features such as multi-stage filtration, digital speed control and volatile organic compound (VOC) sensors.

Features:

- Brushless motors provide efficient long running times, low maintenance and high performance.
- HEPA Filters
- Optional Compressor
- Remote start / stop interface

Models:

- DentalPRO Universal
- DentalPRO Base (with or without compressor)
- DentalPRO 400 Multi user dust extraction system for hand finishing dental applications



DustPRO
Universal



DustPRO
Base



DustPRO
400

MillBox Roland Edition

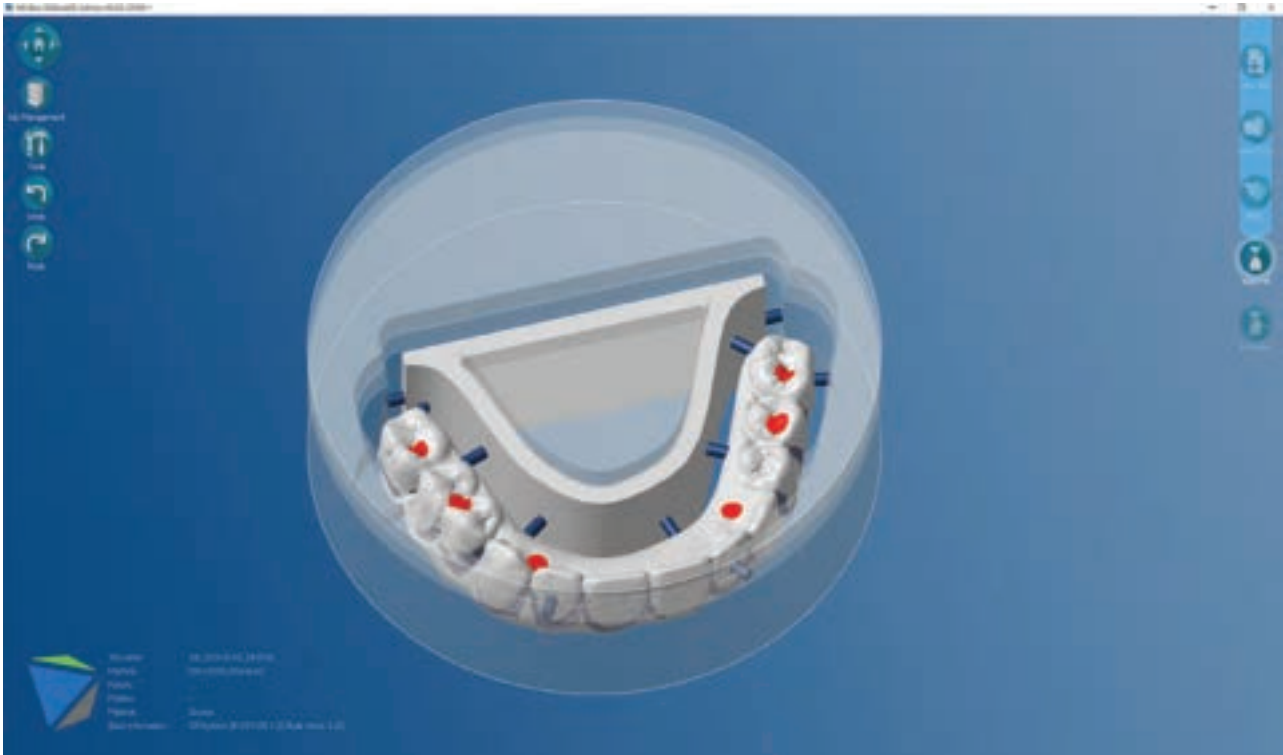
CIMsystem has applied its long experience to the development of new CAD/CAM solutions for the dental sector, creating new products with high technological value, in order to improve the quality of the performance and operative efficiency of dental labs. MillBox and SUM3D Dental offer the answer to all people working in this field and requiring **simple, flexible and affordable** tools with high performance in a short time.



MillBox is the dental CAM solution developed for milling any kind of restoration with any material. Equipped with a simple to follow user interface that is both innovative and appealing, MillBox simplifies the nesting and toolpath creation.

An Interface specifically developed for immediate use, with exciting new features that allow you to work even faster. Specially designed for professionals who require simple and reliable tools. MillBox provides high performance in less time to get the work you want processed in a few simple steps.

The constant development of MillBox allows the continuous release of new features and improvements.



**Automated,
High-Quality,
Affordable,
Versatile Solution**





DWX-43W

Wet Dental Mill



Wet Milling Solution with Filter-Free Innovation!

The DWX-43W wet milling solution from DGSHAPE offers faster milling times for ceramics and custom titanium abutments, reducing operating costs and increasing ROI. It includes DGSHAPE CAM software, which decreases milling times by up to 20%. The filter-free technology eliminates the need for costly coolant tank filters, reducing the cost of use by 20%. The coolant optimisation and draining cycle automatically rinses the milling chamber, minimising user maintenance. It comes with 15 authentic DGSHAPE wet milling tools and is compatible with various materials, scanners, and CAD design software.



AK-1

Abutment Kit for DWX-43W
and DWX-42W Plus



Abutment kit components



DWX-43W

or



DWX-42W Plus

*requires AK-1 Kit



In-house production of custom abutments

Simply connect the AK-1 attachment to the center pin of the DWX-43W Plus material holder to produce high value, custom abutments. DGSHAPE's new special-purpose milling burs can process pre-milled titanium blocks with ease. A single DWX-43W Plus unit can adapt to a variety of applications and grow your business profitability even further.

Process pre-milled titanium blocks through simple operation

1



Connect the AK-1 attachment

Connect the appropriate attachment for your abutment blank to the work material holder of the DWX-43W.

2



Mill and complete!

Fix the pre-milled block and begin milling.



AK-1-DE DESS

AK-1-GE GEOMEDI

AK-1-ME MEDINKA

AK-1-NT NT TRADING

(Attachments)

Preferred abutment brand

IoT-connected



Seamless Maintenance and Output Performance



VPanel for DWX

VPanel for DWX has been developed to provide a complete solution that seamlessly combines maintenance and output performance control, and to enhance the relationship between DWX customers and DGSHAPE.

DWX customers can oversee up to four milling devices from a single PC, and perform and track all maintenance operations through VPanel's user-friendly interface.

The latest VPanel enables the Feedback and Notification functions to enhance the interaction between DWX customers and DGSHAPE.

CONNECT UP TO **4** MILLS

The Future for Your Dental Business



DGSHAPE CLOUD

DGSHAPE CLOUD enables comprehensive, mobile management for DWX customers' milling center. Using its suite of world class applications, they can remotely monitor and support their DWX devices, compare periodised production data, and oversee their milling center from anywhere, anytime.



DGSHAPE Finance, Roland DG's dedicated finance program for the dental industry, offers tailored finance solutions for DGSHAPE equipment. DGSHAPE Finance is easy to obtain and is bundled directly from the manufacturer, so you are dealing with the one company, a company you can trust.

A simple application process and approval within 24 hours will help you get the equipment you need to enhance your lab or practice quickly and with little fuss.



Simple, tailored finance options to suit your practice/lab

Benefits of DGSHAPE Finance

Simplicity and speed - simple documentation and approval in 24 hours.

Conserves cash - small monthly rental payments rather than one large upfront payment.

Fixed monthly payments - fixed payments throughout the term make budgeting easy.

Bundled from Manufacturer - dealing with the one company that has knowledge of the equipment and the industry, builds trust and streamlines the whole process.

Personalised solutions – finance is tailored specifically for the dental industry, for DGSHAPE equipment.



www.rolanddg.com.au/dgshapefinance

Call the friendly Ecolase team today to discuss your DGSHAPE Finance needs
- 1300 322 092 -

DWX-53 Series Accessories

Disc Material Adapter

ZMA-53DC

Adapter for setting and loading materials into the machine.
For addition and replacement. Packet of 6.
Supported devices: DWX-53DC



Open Edge Disc Material Adapter

ZMA2-53DC

Open Edge Adapter for setting and loading materials
into the machine.
Supported devices: DWX-53DC



Disc Adapter Rack

ZR-53DC

Adapter rack for ZMA-53DC and ZMA2-53DC



DWX-52 Series Accessories

Disc Material Adapter

ZMA-52DC-6

Adapter for setting and loading materials into the machine.
For addition and replacement. Packet of 6.
Supported devices: Availabe for all DWX-52x milling units



Open Edge Disc Material Adapter

ZMA2-52D

Open Edge Adapter for setting and loading materials
into the machine.
Supported devices: Availabe for all DWX-52x milling units



Pin Material Adapter

ZV-52D

Adapter for setting block materials and loading into the machine.
For addition and replacement.
Supported devices: Availabe for all DWX-5x milling units



DWX-4 Accessories

Disc Clamp

DISC ADAPTER DWX-4

Clamp for using disc materials in the DWX-4.

Supported devices: DWX-4



Multi-Pin Clamp

ZV-4D

Several types of pin type materials can be set.

Supported devices: DWX-4

**Can not be used with the 4-position ATC ZAT-4D.
See below*



4 position ATC

ZAT-4D

The standard 2 tool changer can be expanded to 4 tools.

Supported devices: DWX-4

**Can not be used with the multi-pin clamp
ZV-4D. 76x38mm block material cannot be used.*



DWX-43W Accessories

Titanium Abutment Kit

AK-1

Attachments that allow the custom milling of titanium abutments from popular manufacturers such as GeoMedi, MEDENTiKA, NT-Trading, and DESS.

Supported devices: DWX-42W and DWX-42W Plus



Milling Burs

ZGB & ZGB2

DGSHAPE's new improved milling burs for wet mills provide even finermilling Quality.

Supported devices: DWX-42W and DWX-42W Plus

