eX4.2 Evo

Designed in USA

4-Axis Wet Milling Machine

Wet milling with power, precision, and ease.

No compressor required

Compatible with 100–240V power

Crowns in 25 minutes

nxmdental.com

nexum DENTAL

ABOUT
THE BRAND

At Nexum Dental, **we redefine the standard in dental equipment and supplies,** transforming the ordinary into the extraordinary.

Our headquarters combines **technological innovation with an unwavering commitment** to excellence, positioning us as a leader in the premium dental market.

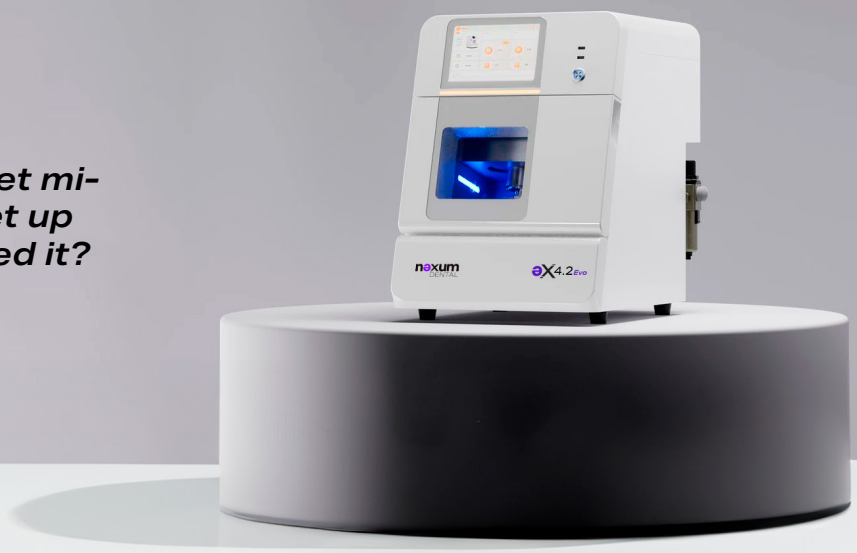
We are a comprehensive provider of CAD/CAM solutions, integrating research and development (R&D), production, and sales, backed by a well-established R&D team. We have obtained numerous international certifications, such as CE, FDA, and ISO, **which guarantee the quality and reliability of our products.**

We specialize in importing and distributing products designed for dental laboratories and clinics that seek exceptional quality, ease of use, and an innovative approach. Inspired by the need to offer accessible solutions without compromising exclusivity, we provide advanced equipment and after-sales services that make a difference.

Our mission is clear: **to simplify processes, exceed expectations, and elevate the customer experience.** At Nexum Dental, we are driving a new era of technology in the service of dental health.

eX4.2 Evo

4 - axis milling machine
Smart, Compact, Ready for Anything



Looking for a compact wet milling unit that's easy to set up and fits wherever you need it?

The eX4.2Evo is built to make wet milling simpler, cleaner, and more efficient—**without compromising performance.** With no external air compressor required, installation is truly **plug-and-play.**

Whether it's a small lab bench or a clinic corner, eX4.2Evo fits right in.
It's optimized for high-quality milling of glass ceramics, PMMA, and composite resin—perfect for crowns, copings, inlays, onlays, and more.

And whether you're handling one case or batching several a day, it delivers the speed, accuracy, and reliability your workflow depends on.

No Compressor, Just Plug and Mill

Traditional wet mills rely on bulky, noisy external compressors. eX4.2Evo eliminates the need for one.

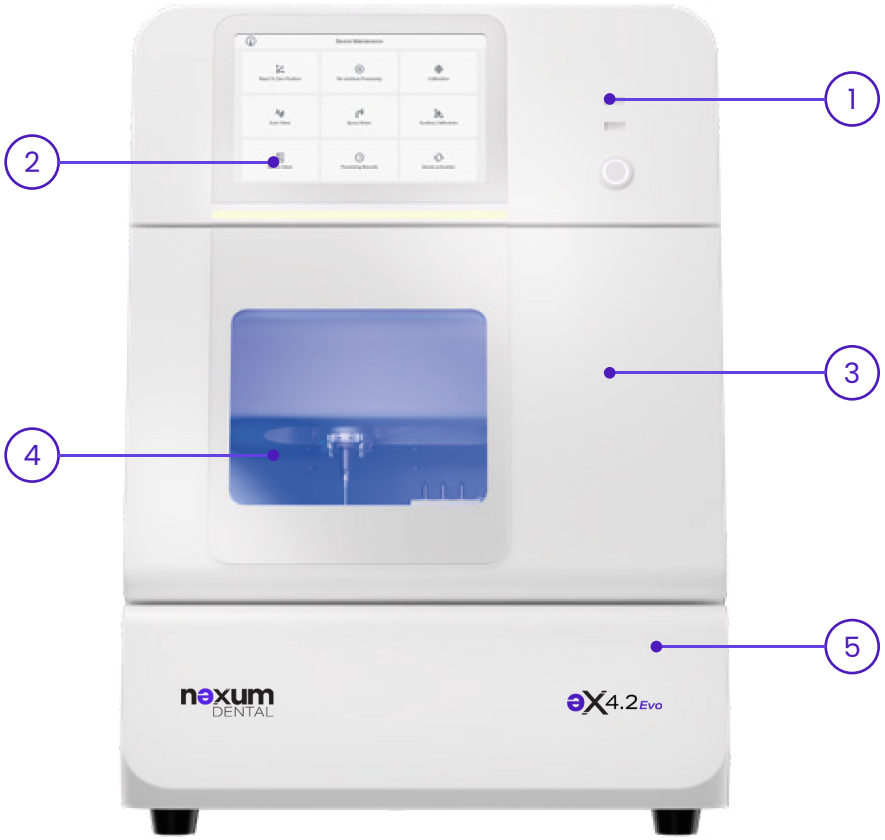
It runs quieter, installs easier, and takes up less space. Fewer components mean lower maintenance and more flexibility in your workspace.

1 Plug & Play

No air compressor required Ultra-Compact 560×560×400 mm Compatible with 100-240V input Wi-Fi + Ethernet + USB

2 Easy to Use

Simple, intuitive workflow Touchscreen operation
Includes Soreal and UPCAM software Learnable in a single day



3 Fully Compatible

Completely Open system
Works with all ceramic blocks and intraoral scanners

4 High-Performance

800W spindle with up to 60,000 RPM
1-year warranty included

5 Efficient & Affordable

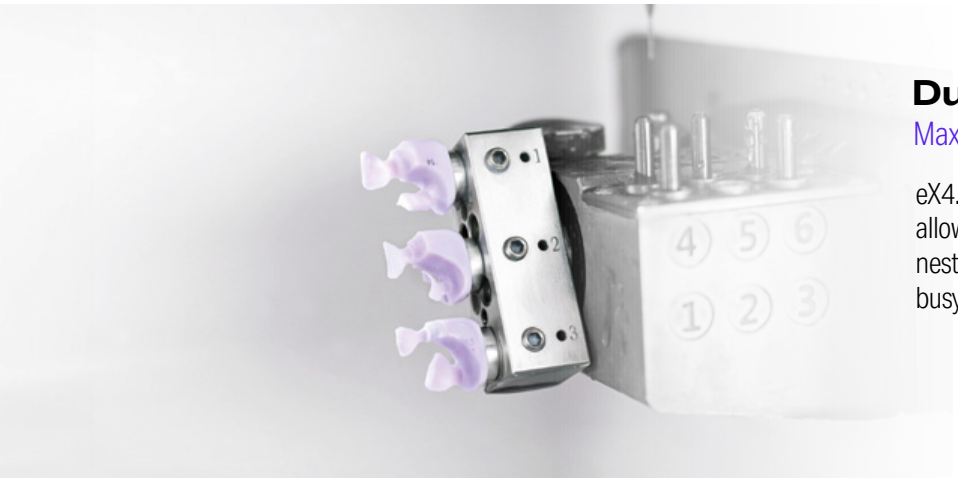
Low tool cost
Low power consumption Affordable annual fee
Single inlay: ~15 mins Single crown: ~25 mins

** Milling times are based on laboratory tests. Actual results may vary depending on restoration size and complexity.*

Pure Water Milling

Clean, Cost-Effective, Eco-Friendly

The eX4.2 Evo´s innovative pure water milling technology ensures no additives are required, ***maintaining material integrity and reducing waste.*** This easy-to-manage solution not only simplifies maintenance but also lowers operational costs, giving your lab a reliable and cost-effective milling option for consistent performance.



Dual Veneer Nesting

Maximize Material Utilization and Output

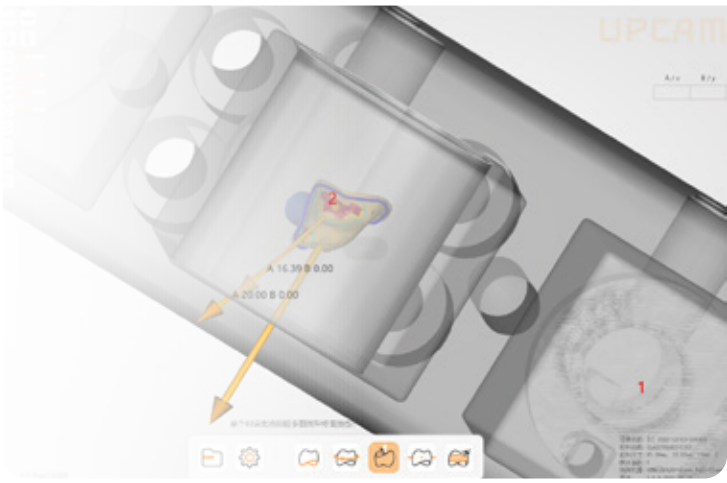
eX4.2 Evo supports dual veneer nesting on a single ceramic block, allowing you to process multiple restorations in one go. This smart nesting minimizes material waste and maximizes output—ideal for busy labs looking to cut costs without cutting quality.

±20° A-Axis Tilt for Precise Undercut Removal

No More Complex Manual Grinding

Equipped **with a ±20° A-axis,** eX4.2 Evo enables accurate undercut milling for complex restorations.

When combined with UPCAM's smart nesting algorithms, it removes the need for manual grinding—resulting in better fitting restorations, and less rework.



Simultaneous Multi-Size Processing for Greater Flexibility

Handles up to **three different material sizes at once,** thanks to its precision-engineered processing capability. This innovative feature dramatically boosts production efficiency and adapts to diverse needs across dental labs and practice labs.

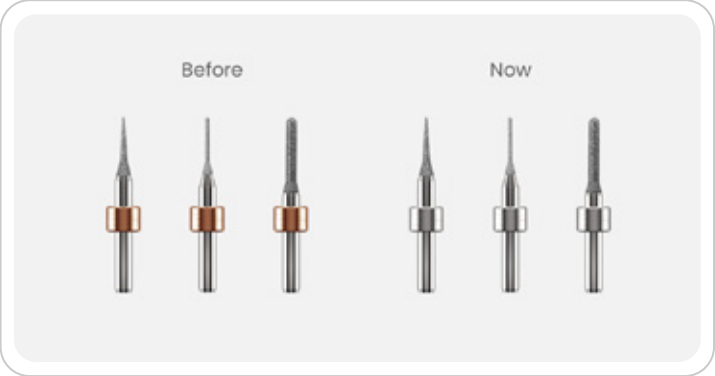
Less effort
more precision.

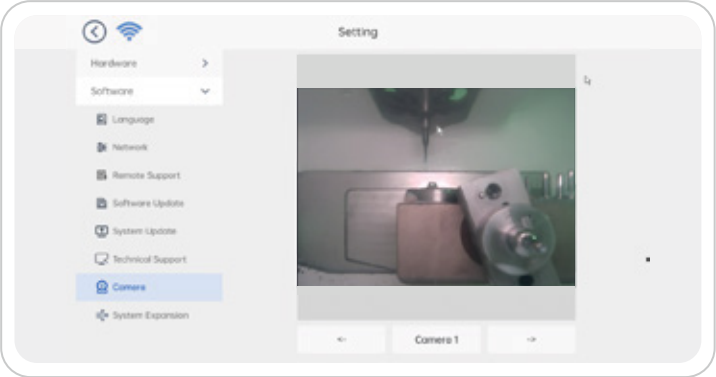
Technology that
evolves your practice.

Engineered for Stability, Accuracy, and Ease

Upgraded Burs for Better Results

The burs designed for glass ceramic milling now feature a finer, more uniform diamond coating. **This reduces edge chipping, improves margin smoothness, and enhances surface quality**—especially on fragile materials.





Built-in Camera Monitoring

A high-definition internal camera gives you real-time visual access to the milling chamber. Ideal for remote troubleshooting and quality control, it helps you stay in control—improving uptime and reducing workflow interruptions.

Stable Milling from Spindle to Structure

La eX4.2 Evo combines a cast monoblock frame with high-precision motion components and an intelligent cooling system. **The result: ultra-stable perfor- mance, even for demanding materials and delicate restorations.**

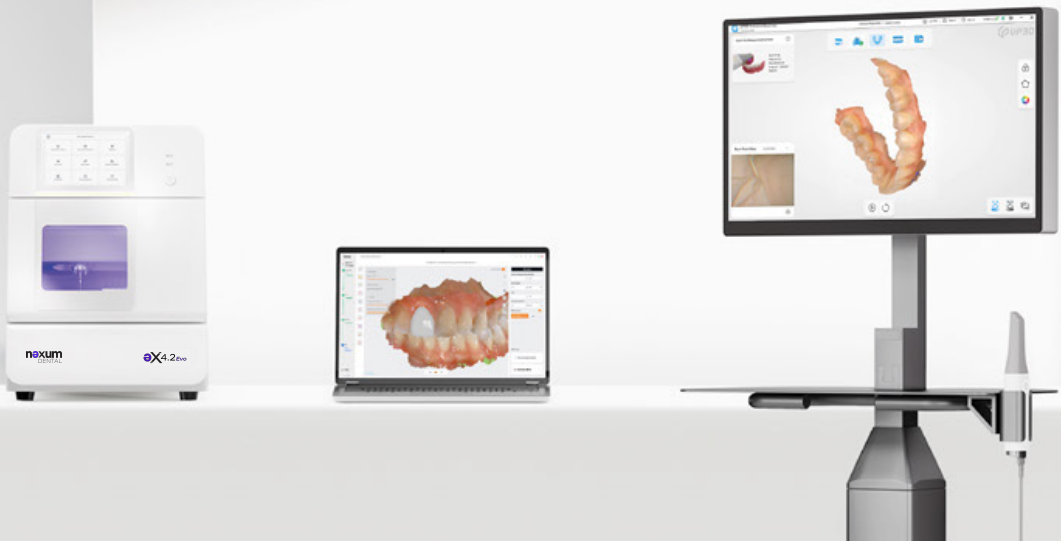
Same-Day Restorations

Made Seamless

eX4.2 Evo is fully integrated into the Soreal same-day restoration system—empowering clinics to complete restorations in one visit.

With the ioX6.1 intraoral scanner, intuitive Soreal CAD/CAM software, and the plug-and-play eX4.2Evi milling unit, **the full workflow becomes faster, cleaner, and easier for clinicians and patients alike.**

Single-unit anterior restorations can be milled in as little as 15 minutes, while molars are typically completed within 25 minutes—allowing efficient, high-quality, and cost-effective chairside treatment.



Full
Digital Workflow

Scan
ioX6.1

Design & Nest
Soreal Software

Mill in 15–25 min
eX4.2 Evo

High-quality esthetic restorations
Edge F2 Furnace

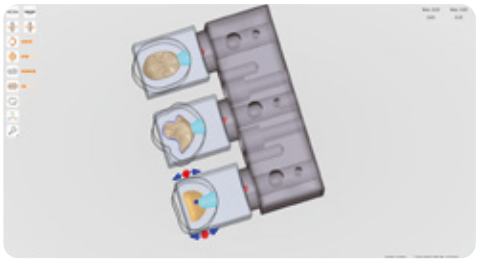
UPCAM

Smarter CAM for Faster, More Reliable Milling

UPCAM is UP3D's CAM software built for fast toolpath calculation, smart nesting, and reliable automation. Configured with a full four-axis strategy, it delivers efficient, high-quality results—every time.

Fast Toolpath Generation

Generates toolpaths for a single restoration in just 2 minutes—dramatically improving case turnaround.



Smart Nesting Algorithms

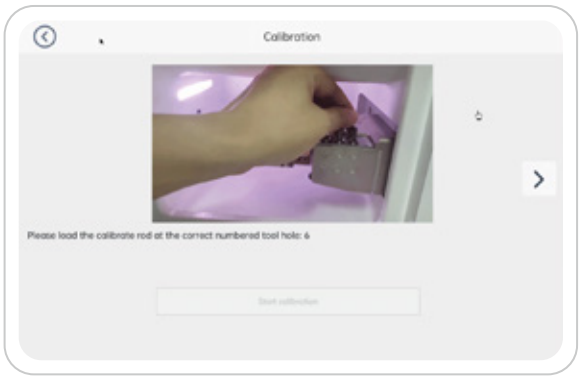
Smart positioning reduces over 95% of manual adjustments—improving workflow efficiency.

Real-Time Simulation & Risk Detection

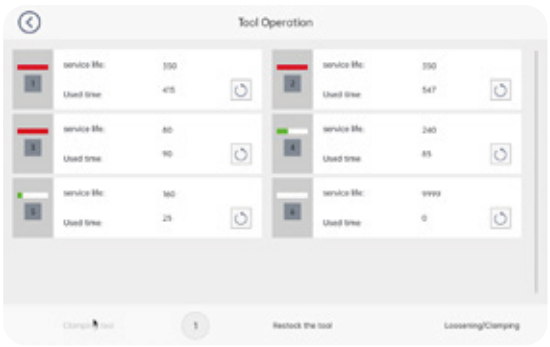
Visualize milling paths and identify potential errors before production with one-click simulation.

CNC-3 New Control Software

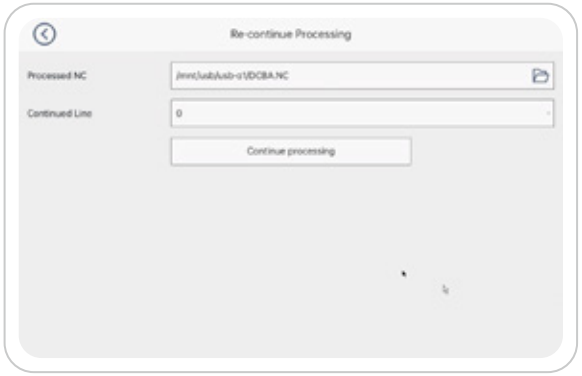
- Simpler, More Efficient



One-Click Auto Calibration

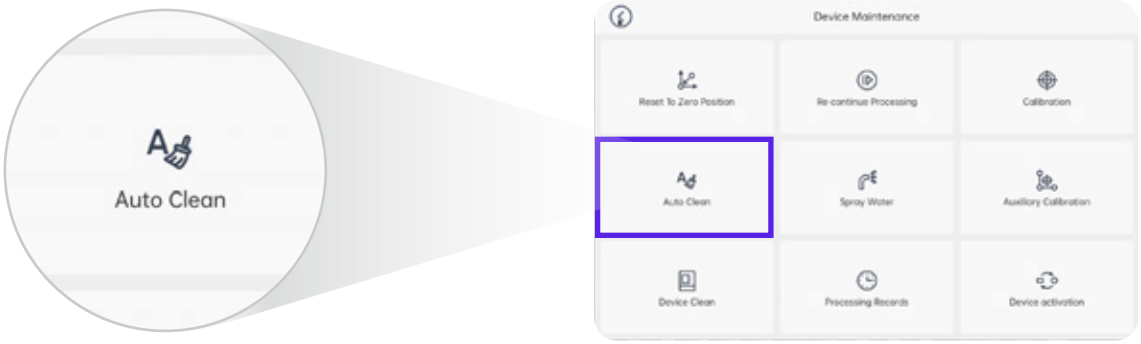


Tool Life Monitoring



Breakpoint Resume

Real-Time Usage Tracking



Flushing & Cleaning Mode

Materials & Indications

- Enjoy the Freedom of Choice

Materials Supported

Composite Resin

Glass Ceramics

PMMA

Indications

Crowns

Screw-Retained Crowns

Inlays & Onlays

Veeners

Custom Abutments

Three-Unit Bridges

GENERALS	
Fields of Application	Wet machining
Materials	Glass ceramics, composite resin, PMMA
Material Specifications	Blocks up to 40x20x20mm (Max)
Indications	Crowns, anatomical crowns, screw-retained crowns, inlays, onlays, veneers, three-unit bridges
BASE SYSTEM	
Construction	Machine bed made of solid cast aluminum body
Number of Axes	4-axis
Rotary Axes (A/B)	4-axis ±360°
Lighting	LED lighting inside the working chamber
SPINDLE	
General	High-frequency spindle, automatic tool change, no air cooling required
Speed	60.000 rpm (max.)
Tool Holding Diameter	Φ4,0 mm
Power	Peak power (Pmax): 800 watts • continuous power (S1): 450 watts
AUTOMATION	
Tool Change	Tool magazine for 6 tools, length measurement and tool breakage monitoring via precision measuring key
CONNECTION REQUIREMENTS	
Voltage	AC 100V–240V, 50–60 Hz
Data	Wi-Fi, USB, Ethernet Port
ENVIRONMENTAL CONDITIONS	
Operating Temperature	10 °C – 35 °C
Air Moisture	Below 80% (relative), non-condensing
DIMENSIONS & WEIGHT	
Dimensions	560 x 400 x 565 (mm)
Weight	80kg
SCOPE OF DELIVERY	
CAM Software	UPCAM

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