zubler USA

Z-Core X4

Efficient 4-axis wet milling machine

Specialized wet milling solution for
glass ceramics and premilled



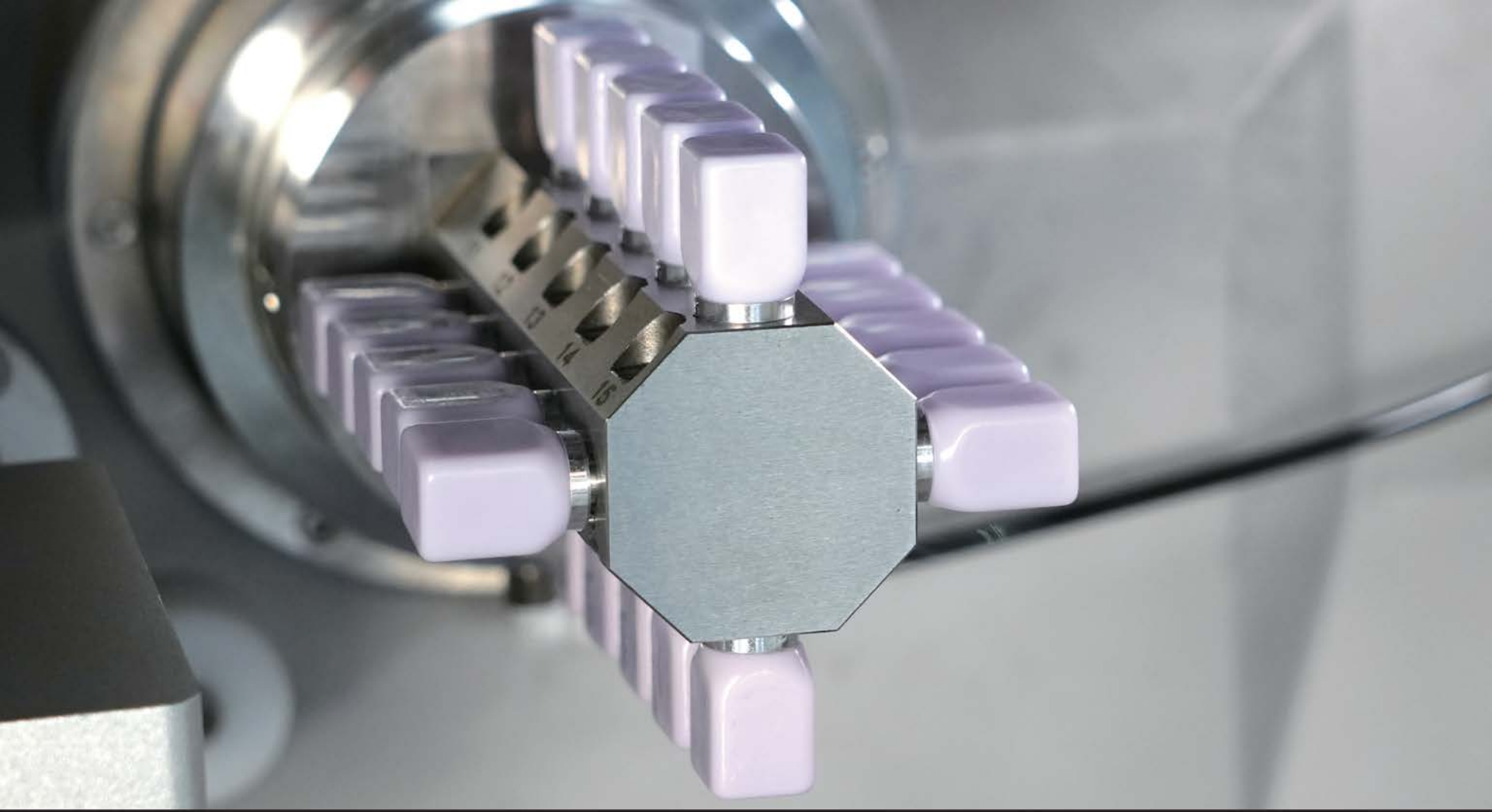
4 Axis

12 Tools

20 Blocks

6 Pre-milled

0 Disc



4-axis machining

Auto calibration

Zero-point change system

Super holder

Modular integrated

Z-Core X4

Volume x Precision x Ease

Effortless Operation

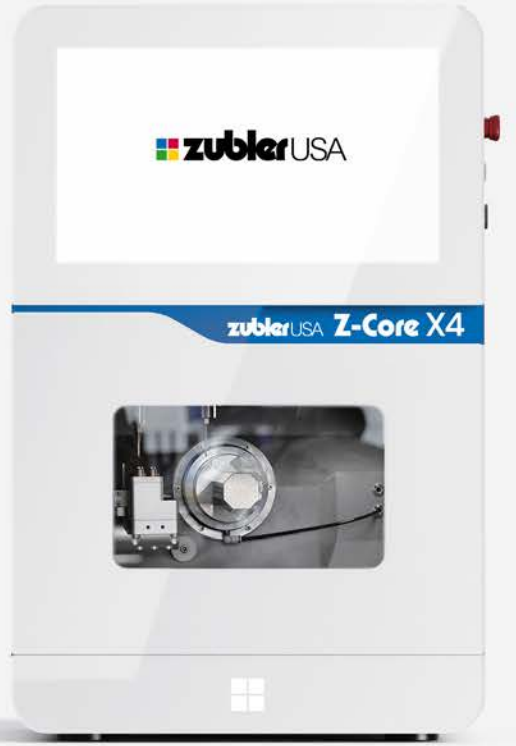
With a 19.5 inch screen paired with Win10 system enables agile operation without the need to zoom. With intuitive controls, you can run the Z-Core X4 effortlessly. Fully wireless remote function supports device control and file transfers with no external wiring.

Reliable Precision

Servo motors and linear guides deliver unwavering accuracy. It boasts a repeat positioning accuracy of 5μm and an overall processing accuracy of up to 0.01mm. Achieve flawless restorations every time.

Same-Day Dentistry

20-position block holder and unmatched efficiency means prosthetics in 4 hours. This eliminates the need for frequent shutdowns for material replacements. From scan to seating - all in one visit.



Processing mode	Wet
Millable material	Pre-milled blank, Glass ceramics PMMA block, PEEK block
Basic construction	Aluminum
Tool	12

Number of axis	4
Spindle power	2.5kW
Spindle collet	φ6mm
Spindle cooling method	Water cooling
CAM Software Adaptation	Millbox / Hyperdent

Designed for block materials.

HIGHLIGHTS



Super holder

- ✓20-position, four-sided distribution
- ✓Zero-point change system



Built-in automatic calibration

- ✓No external wiring required
- ✓Guided calibration
- ✓High accuracy: 0.01mm



Easy-to-use operating system

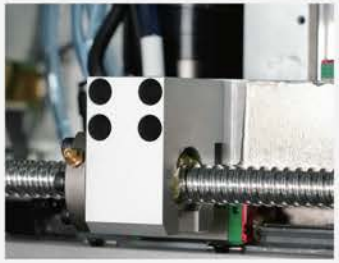
- ✓Fully wireless remote function: control device & transfer files
- ✓Win10 system
- ✓Guided access, minimal training required

*Supports optional industrial-grade automatic calibration.



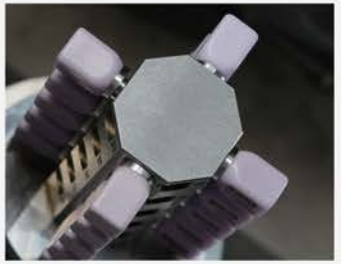
Key Features at a Glance





Precision Performance

- ✓ C5 grade high precision ball screw
- ✓ P grade guide rail
- ✓ High resolution servo control system
- ✓ 5 μm repetition accuracy
- ✓ Hybrid ceramic ball bearings (<3μm concentricity)





Multi-Indication Processing

- ✓ Automatic calibration reduces material waste by 15%
- ✓ 20 block materials can be processed at a time
- ✓ 6 positions for pre-milled blank





Stable Output Quality

- ✓ 2.5kW spindle (Φ62mm) for powerful machining
- ✓ Professional water-cooled system extends machine service life
- ✓ Integrated casting body guarantees stable milling



Easy to use

- ✓ 19.5-inch screen, agile operation
- ✓ Intelligent management of tool grouping and automatic tool change

Materials and indications

Glass ceramics	Pre-milled	PMMA	PEEK
Crown/Bridge	Veneer	Inlays/Onlays	Abutments





Block holder

- 20 processing positions
- Applicable to block materials: glass ceramics, PEEK, PMMA

Premill Abutment holder

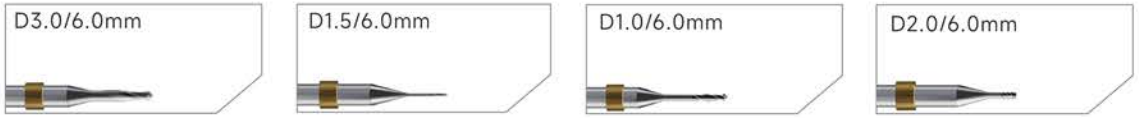
- 6 positions for pre-milled blank
- Available systems: Geo, Medentika



Glass ceramic milling burs



Titanium milling burs

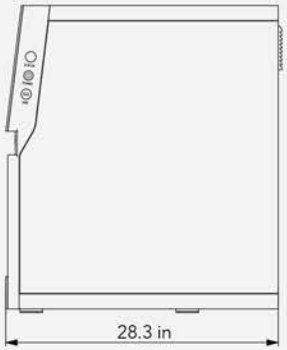


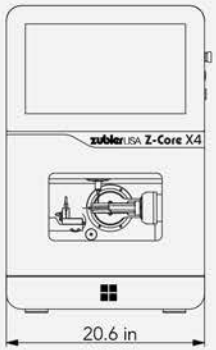
Technical Parameters

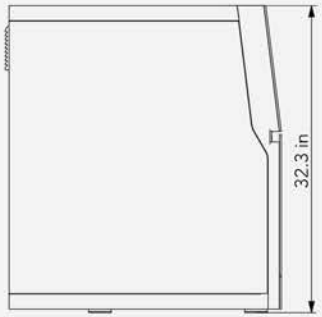
General	
Processing mode	Wet
Millable material	Glass ceramics, PMMA, PEEK, Pre-milled blank
Applications	Crown I Bridge, Veneer, Inlay I Onlay, Abutment
Power	220V/3.2kW
Dimension	20.6 x 28.3 x 32.3 in
Weight	287 lbs
Air supply pressure	>0.5 MPa
Air flow	>90 L/min
Water tank capacity	10L

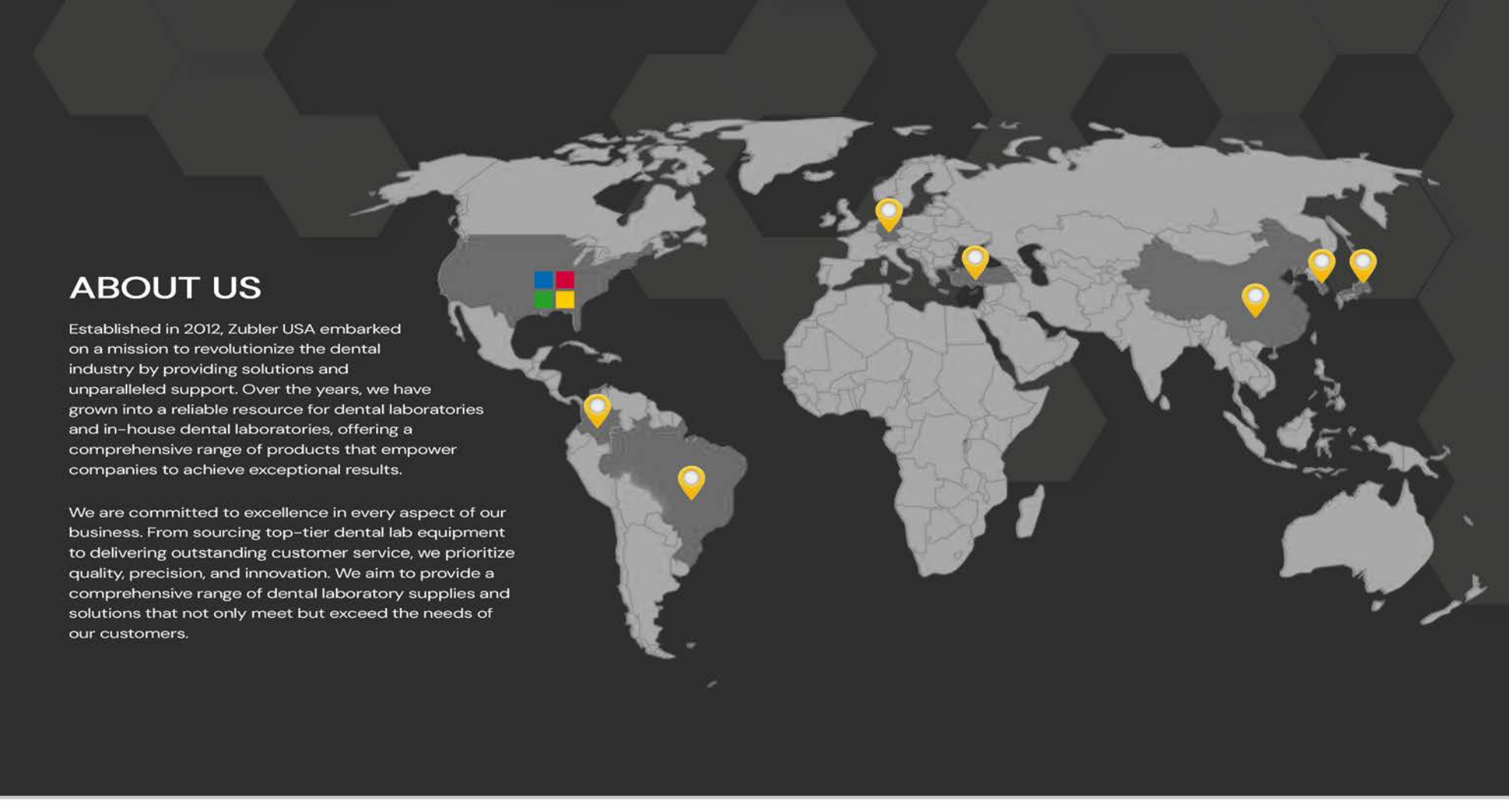
Structure parameters	
Basic construction	Aluminum
Number of axis	4
Rotary axis B-axis	360°
Tool	12

Spindle	
Speed	60,000 rpm
Power	2.5kW
Positioning/Repositioning accuracy	0.01/ 0.005 mm
Collet	Φ6 mm
Cooling method	Water cooling









ABOUT US

Established in 2012, Zubler USA embarked on a mission to revolutionize the dental industry by providing solutions and unparalleled support. Over the years, we have grown into a reliable resource for dental laboratories and in-house dental laboratories, offering a comprehensive range of products that empower companies to achieve exceptional results.

We are committed to excellence in every aspect of our business. From sourcing top-tier dental lab equipment to delivering outstanding customer service, we prioritize quality, precision, and innovation. We aim to provide a comprehensive range of dental laboratory supplies and solutions that not only meet but exceed the needs of our customers.

ZUBLER USA

Web: www.zublerusa.com
Email: info@zublerusa.com
Office: +1 (770) 921.2131

130 Satellite Blvd NE
Suite E
Suwanee, GA, 30024