

# C52 The Ultra-efficient 5-axis milling machine

## All-in-One Dental Milling Excellence

5

Axes

16

Tools

3/8

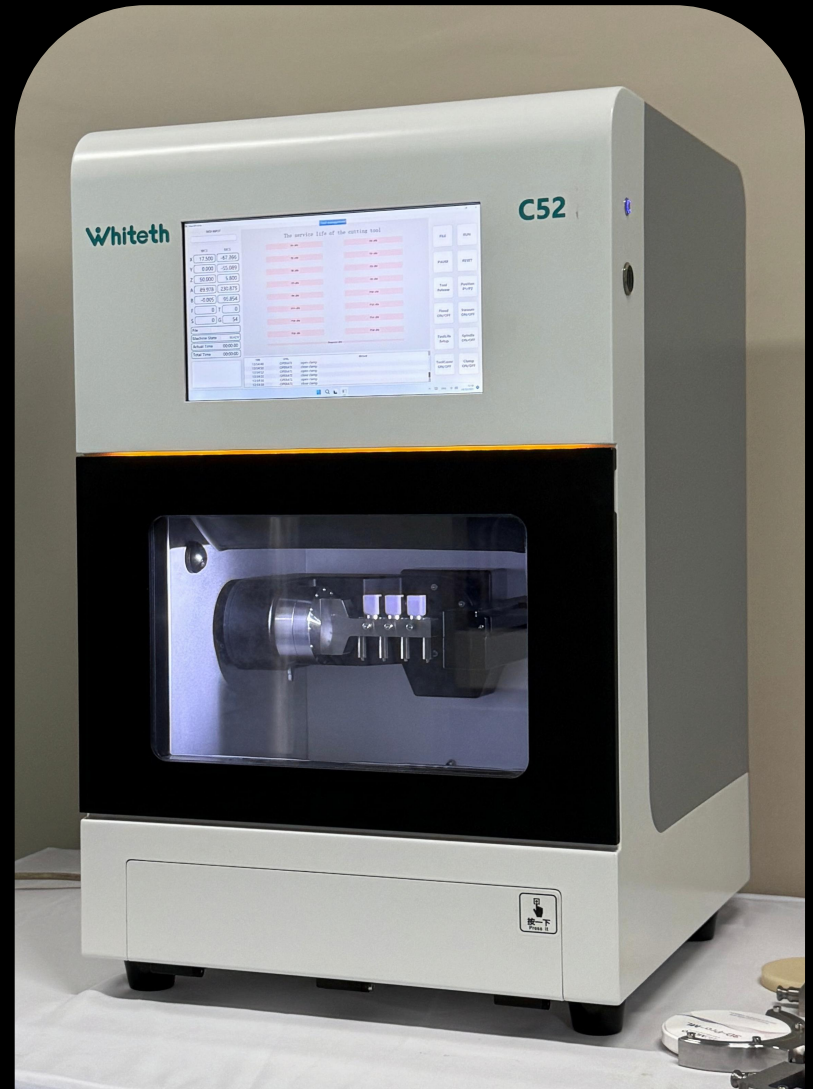
Blocks

4

Pre-milled

1

Disc





5-axis  
machining



Auto  
calibration



Zero-point change  
system



Super  
holder



Remote  
Diagnostics

# Compact Power Unlimited Possibilities

## Seamless Operation

Smart touchscreen and automatic tool change make milling effortless.

## Consistent Accuracy

Rigid body and high-performance spindle deliver stable, precise results.

## Versatile Milling

Dry & wet capability with wide material compatibility in one compact unit



Processing mode	Dry&Wet
Millable material	Zirconia, Glass ceramics, Plastics   Wax, PEEK, Composite, Titanium Disc, Pre-milled
Basic construction	Aluminium
Tool	16

Number of axes	5
Spindle power	1.37kW
Spindle collet	φ6mm
Spindle cooling method	Water cooling
CAM Software Adaptation	Millbox / Hyperdent / WorkNC available

## Zero-Point Precision

Pneumatic zero-point chuck enables lightning-fast fixture changes with up to 5µm repeatability, ensuring every case is accurate, efficient, and reliable.

## High-precision spindle

The C52 is powered by a German Sycotec high-precision spindle, delivering up to 80,000 rpm for fast, stable, and highly accurate milling.

## User-Centric Design

Intuitive touchscreen, automated workflows, and smart tool management make operation simple, even for first-time users.



# Various materials and indications

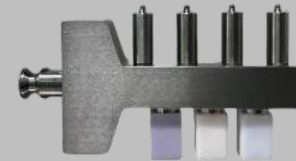
Zirconia	Titanium Disc	Glass Ceramics	
Composite	Pre-milled	PEEK	PMM



C clamp



Glass ceramics



Glass ceramics & pre-milled

# Technical Parameters

## General

Processing mode	Dry&Wet
Millable material	Zirconia, Glass ceramics, Plastics   Wax, PEEK, Composite, Titanium Disc,Pre-milled
Applications	Crown   Bridge, Veneer, Inlay   Onlay, Abutment, Denture, Screw-retained bridge, Model cast, Occlusal splint, Surgical guide, Implant bar
Power	100 ~ 240V AC 50/60Hz
Dimension	510× 465× 737mm
Weight	122kg
Air supply pressure	0.6 ~ 0.8 MPa
Air flow	100L/min

## Structure parameters

Basic construction	Aluminium
Number of axes	5
Rotary axis A-axis	360°
Rotary axis B-axis	-110° ~ +30°
Tool	16

## Spindle

Speed	80,000rpm
Power	1.37kw
Positioning	0.01mm
Collet	Φ6 mm
Cooling method	Water cooling