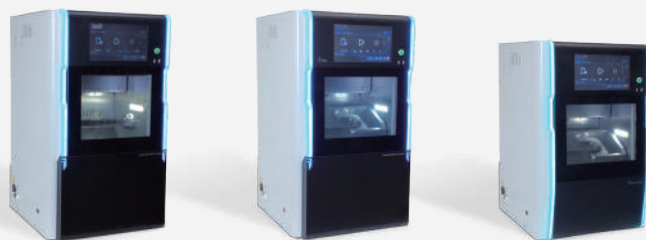


High-End Digital Dentistry Solutions



Dental Plus World

Since 2009



WHY DENTAL PLUS?

-  Excellent Quality
-  Reliable Service
-  Own Developed
-  Cost-effective



Dental Plus Co., Ltd. is a professional manufacturer based in the Republic of Korea, specializing exclusively in the production of premium dental CAD/CAM milling machines. Our company is dedicated to extensive research, development, and manufacturing processes, which have positioned us as one of the industry's leading developers and manufacturers today.

Our machines are trusted by laboratories, both small and large, as well as clinics worldwide, spanning multiple decades and countries. We remain committed to ongoing research and development efforts, enabling us to offer competitive pricing and exceptional quality for our Dental CAD/CAM systems.

At Dental Plus Co., Ltd., we strive to meet and exceed the demands of the rapidly changing dental industry by delivering high-quality products at competitive prices. Our mission is to ensure customer satisfaction and establish ourselves as a trusted leader within the industry.

Table of Contents

About Us	02
The Complete Series	04
X5 II	06
BX4 II	10
BXL5	14
BX5	18
Common Features	22

THE COMPLETE SERIES



X5 II



BX4 II



For Lab

BXL5



For Clinic

BX5

Type	Dry	Wet	Wet + Dry	Wet + Dry
Material	<ul style="list-style-type: none"> · Zirconia · PMMA · PEEK · WAX · Composite Hybrid Resin · Sintering Metal · Etc. 	<ul style="list-style-type: none"> · Pre-Mill Abutment (Titanium Blank) · Glass Ceramic · Composite Hybrid Resin · Etc. 	<ul style="list-style-type: none"> · Zirconia · PMMA · PEEK · WAX · Composite Hybrid Resin · Sintering Metal · Pre-Mill Abutment (Titanium Blank) · Glass Ceramics (Lithium disilicate) · Etc. 	<ul style="list-style-type: none"> · Zirconia · PMMA · PEEK · WAX · Composite Hybrid Resin · Sintering Metal · Pre-Mill Abutment (Titanium Blank) · Glass Ceramics (Lithium disilicate) · Etc.
Control Axis	5 Axis	4 Axis	5 Axis	5 Axis
Spindle	60,000 rpm	50,000 rpm	50,000 rpm	50,000 rpm
Dimensions	392 x 549 x 575 mm	481 x 529 x 823.5 mm	481 x 529 x 823.5 mm	481 x 511 x 742 mm
Weight	39 kg	75 kg	79 kg	70 kg
Power	110 & 220 V	220 V	220 V	220 V
Tool Pocket	9	10	10	10
Standard Jig	Disk Jig	Pre-Mill Jig	Disk Jig, Glass Ceramic Jig, Pre-Mill Jig	Disk Jig, Glass Ceramic Jig, Pre-Mill Jig
Jig Option	Cad Block Jig	Glass Ceramic Jig	Customized Pre-Mill Jig	Customized Pre-Mill Jig

X5 II

Elevate your Dignity

Precision redefined, unleashing enhanced milling excellence

Dry Type



Material

Zirconia
PMMA
PEEK
WAX
Composite
Hybrid ceramics
Sintering metal
etc...

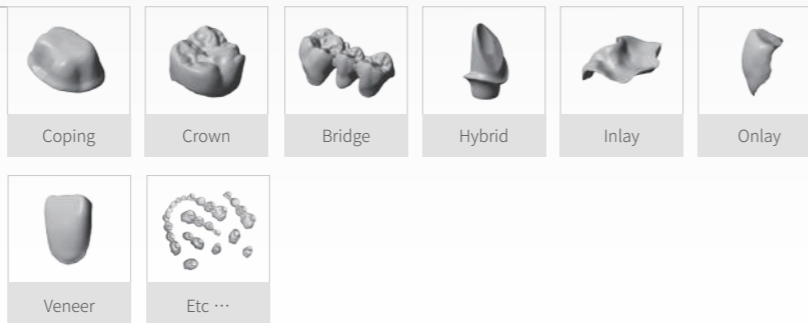
Material type



Disk



CAD Block



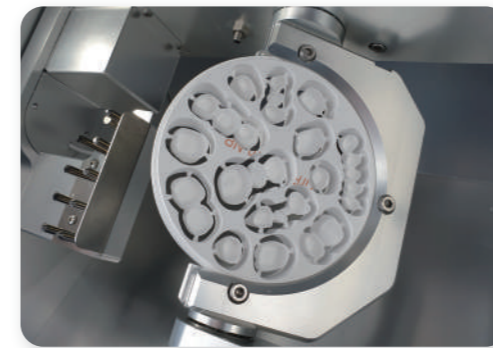
Spindle 60,000 rpm
Dimensions 392 x 549 x 575 mm
Weight 39 kg
Control Axis 5 Axis

Power 110 & 220 V
Tool Pocket 9
Standard Jig Disk Jig
Jig Option Cad Block Jig



Stable System

The device was developed based on extensive professional expertise. Dental Plus enhanced both the hardware stability and user-friendly software to facilitate customers in attaining precise milling outcomes.



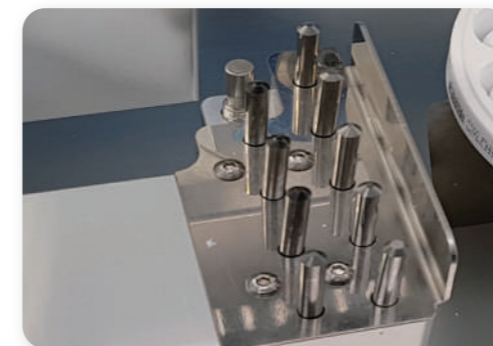
Simultaneous 5-Axis & Half Jig

The device utilizes a half jig and simultaneous 5-axis motion to attain an expanded array of tilting angles. With 9 tool pockets, it is capable of processing various materials, including Zirconia, PMMA, and Wax. Moreover, the $\Phi 98$ C-type clamp jig ensures minimal undercutting during the milling process.



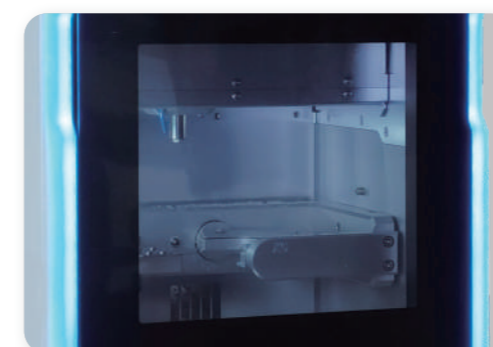
Touch Screen

For your convenience, the device is furnished with a user-friendly touchscreen interface.



9 Tool Pocket

It is equipped with 9 tool pockets that enable the processing of diverse materials, including Zirconia, PMMA, and Wax. Additionally, the $\Phi 98$ C-type clamp jig facilitates milling with minimal undercutting.



Trendy Design & Spacious Milling Room

The equipment showcases a sleek and elegant design that effortlessly complements any clinic or laboratory setting. Moreover, the milling room offers a spacious layout, ensuring users have ample room to work comfortably. Furthermore, the latest version is equipped with LED lighting, harmonizing with the surrounding environment and enhancing the aesthetic appeal of the installation space.

Cleaning Position



Managing the equipment becomes effortless by conveniently controlling its maintenance and cleaning processes in designated areas.

End-User

Designed with a user-friendly interface, saving time while consistently delivering satisfactory results.



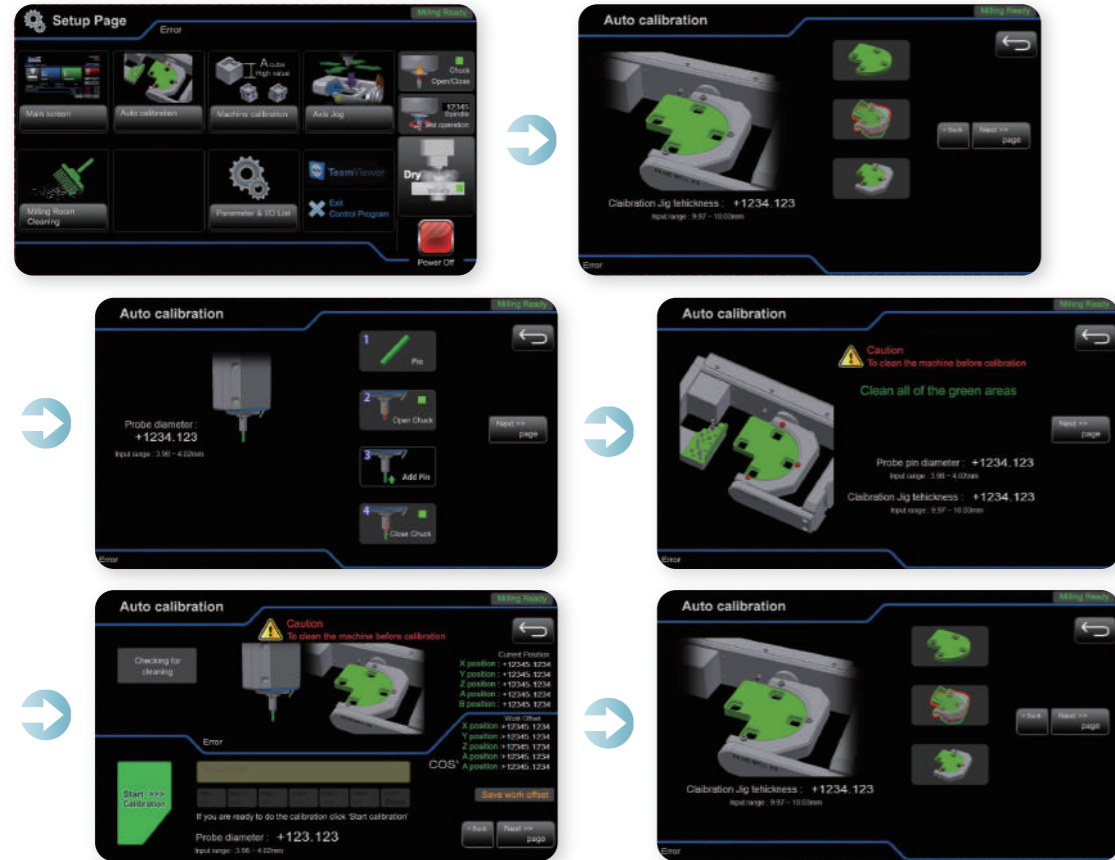
Dealers

Hassle-free setup, maintenance, and technical support enable effortless expertise and mastery of the equipment.



Following Guide

Easy Setup & Auto-Calibration

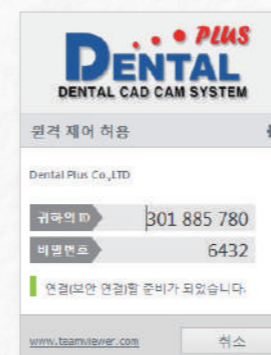


Enhance your experience with our convenient auto-calibration.

Be an Expert with X5 II

Full Auto-Calibration

Enhance your experience with our convenient auto-calibration.



Online technical support is possible by remotely checking and controlling the machine through the internet.

NC Data Transmission method

- Lan
- USB Wireless LAN (Wi-Fi)
- USB Memory

Online Technical Support Method

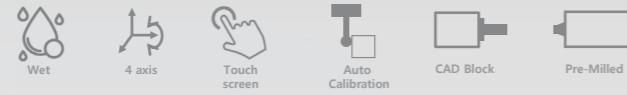
- Lan
- USB Wireless LAN (Wi-Fi)

BX4 II

The Master of Custom Abutments Milling

Revolutionizing custom abutment milling with unmatched efficiency

Wet Type



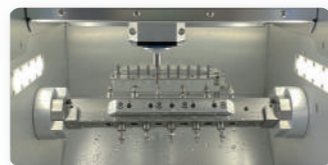
Material

Composite
Hybrid ceramics
Glass ceramics
Titanium (Pre-milled)
etc.

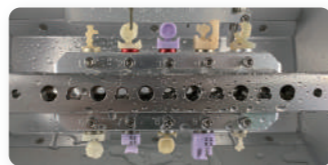
Material type

CAD Block

Pre-Milled



Abutments



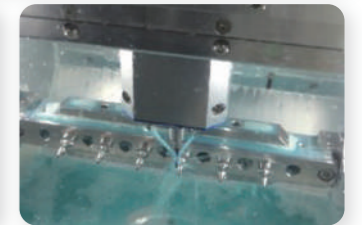
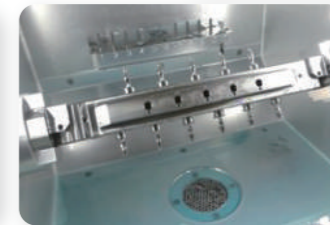
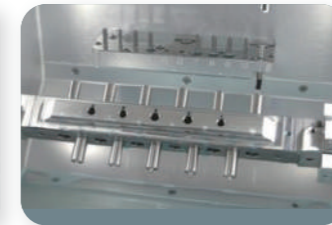
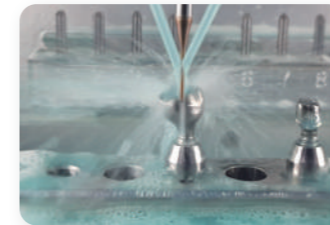
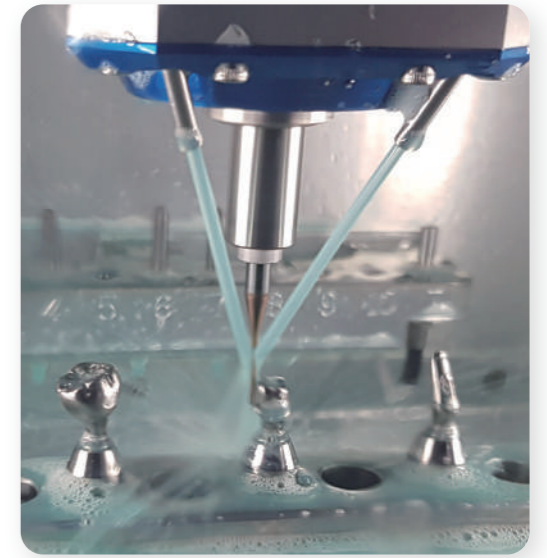
Glass Ceramic

Spindle 50,000 rpm
Dimensions 481 x 529 x 823.5 mm
Weight 75 kg
Control Axis 4 Axis

Power 220 V
Tool Pocket 10
Standard Jig Pre-Mill Jig
Jig Option Glass Ceramic Jig

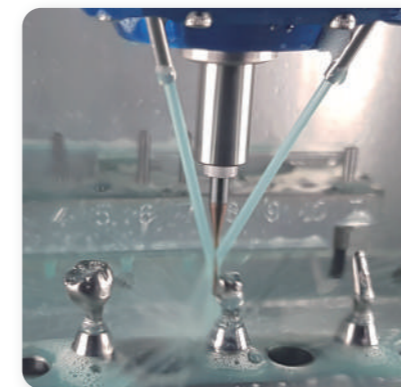
Four Major Points

- ✓ An optimized machine for custom abutment milling
- ✓ Installed a jig for milling 11 pre-milled custom abutments
- ✓ High productivity enables fast and precise results through the milling of 11 customized abutments.
- ✓ Auto-calibration ensures accurate concentricity.



What is Reverse Jig?

- Vertical milling allows for detailed groove representation.
- One-day milling to fulfill everyone's desires.



1 • Many types of Reverse jig

2 • Consistently maintain high strength and precision by utilizing a special jig

3 • Possible to be equipped with 11 Reverse jigs.

4 • A minimal need for manual connector cutting is required after milling.

A One-Day Milling Experience that Everybody Desires

It combines precision and ease-of-use, ensuring accurate results consistently.

Four Major Points

- ✓ Capable of milling various types of ceramic affiliate blocks, including but not limited to glass ceramic, resin ceramic, and lithium disilicate.
- ✓ By installing 10 blocks, our system can simultaneously mill all of them at once, enhancing efficiency and productivity.
- ✓ Capable of producing fast and precise results with high productivity, thanks to our ability to mill up to 10 glass ceramic blocks simultaneously.
- ✓ Auto-calibration feature ensures accurate engagement surface height for optimal precision in the milling process



Easy Interface

- ✓ It provides perfect and full auto-calibration, ensuring precise alignment and calibration of all components, resulting in optimal performance.
- ✓ It measures the milling target position of the results and automatically inputs them into the machine, optimizing the milling process for the best possible outcomes.
- ✓ Our guide simplifies the auto-calibration process, enabling anyone to perform it with ease and efficiency.



Setup Screen

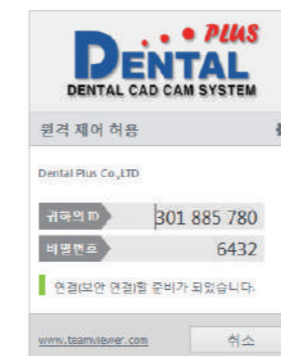


Main Screen

- Full Auto-Calibration
- Touch Screen
- Built-in Industrial Computer
- Built-in Coolant Oil Tank
- Built-in Filter
- 10 Tool Pockets
- 11 Customs Abutment Positions
- 10 Ceramic Block Position
- 3 USB Ports (wireless Lan available)
- 1 Lan connector
- Air Regulator
- Air Separator
- Digital Air Pressure Gauge
- One-Touch Machine On/Off System



Auto Calibration



Online technical support is possible by remotely checking and controlling the machine through the internet.

NC Data Transmission method

- Lan
- USB Wireless LAN (Wi-Fi)
- USB Memory

Online Technical Support Method

- Lan
- USB Wireless LAN (Wi-Fi)

BXL5

Next Generation Dual-Powered Technology

The pinnacle of dual technology advancement for lab

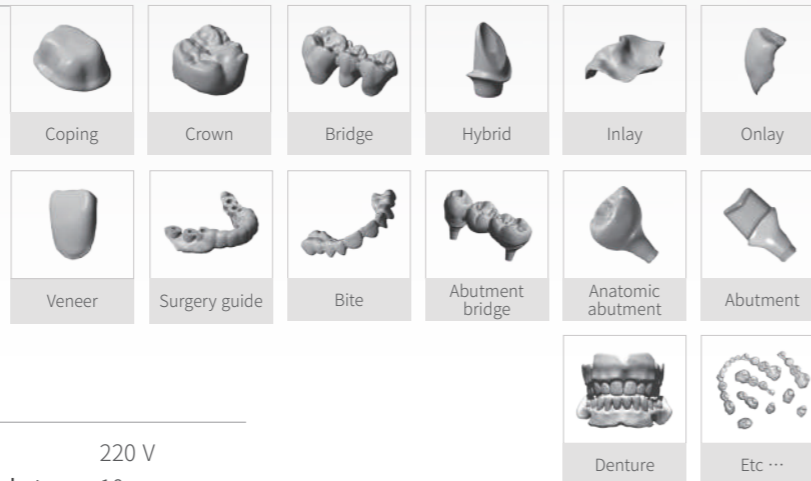
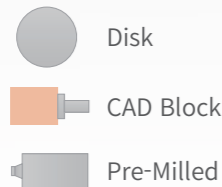
Wet + Dry Type



Material

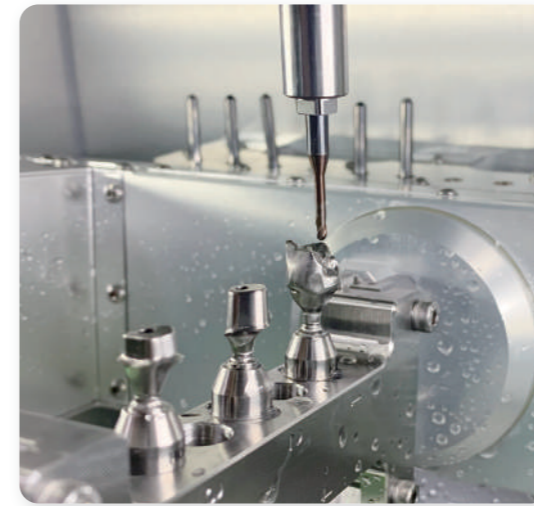
Zirconia
PMMA
PEEK
WAX
Composite
Hybrid ceramics
Glass ceramics
Titanium (Pre-milled)
Sintering metal
etc.

Material type



Spindle 50,000 rpm
Dimensions 481 x 529 x 823.5 mm
Weight 79 kg
Control Axis 5 Axis

Power 220 V
Tool Pocket 10
Standard Jig Disk Jig, Glass Ceramic Jig, Pre-Mill Jig
Jig Option Customized Pre-Mill Jig

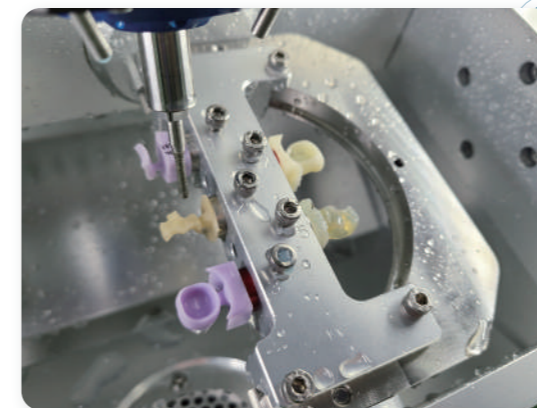
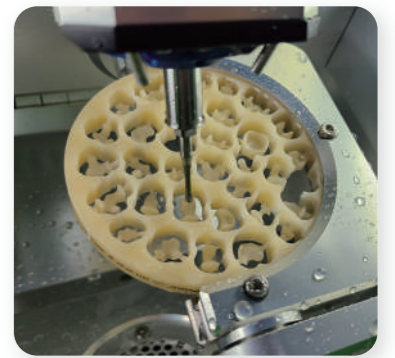


Custom Abutment (Occlusal Surface Machining)

BXL5 is a sophisticated technology that can effectively handle complex processes and procedures, enabling customization of shifts that are tailored to each individual patient's specific needs. By utilizing the advanced cutting capabilities of the connector, BXL5 is able to minimize complicated post-processing procedures, allowing for the creation of an integral prosthesis that can be milled and precisely fitted with glass ceramic to accurately express grooves. With these capabilities, BXL5 offers a competitive solution for delivering superior prosthetic outcomes for dental lab technicians.

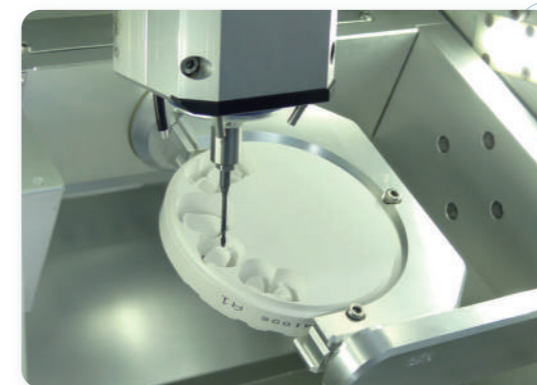
Temporary Tooth & Hybrid Resin

The utilization of PMMA for processing temporary teeth without undercuts allows for immediate use and high patient satisfaction. These materials, including Hybrid Resin, and techniques provide dentists with the ability to deliver superior aesthetic and functional results.



Glass Ceramic Milling for inlay, onlay, crown & veneer

BXL5 provides a significant advantage over other CAD/CAM milling machines by offering the capability to simultaneously process up to five glass ceramics. This feature greatly enhances efficiency when treating multiple patients concurrently. In contrast to machines limited to processing only one ceramic at a time, BXL5's advanced capabilities deliver superior performance and unmatched flexibility for dental practitioners.



Simultaneous 5-Axis & Half Jig

Utilizing the half jig and simultaneous 5-axis motion technology enables a greater free tilting angle during the milling process. This advanced technology minimizes undercuts, ensuring exceptional precision and quality without the need for post-milling correction. Furthermore, it enables 90-degree milling when processing the front part of the material, further enhancing the overall precision and accuracy of the milling process.

Easy Operation

Does not require specialized expertise or training!



Design & Touch Screen

This product is designed to provide dental professionals with fast, accurate milling capabilities in a compact and sophisticated package. The user-friendly PC system includes a 10.1-inch touchscreen display, ensuring a streamlined and efficient user experience.



Simultaneous 5-Axis & Half Jig

The utilization of a half jig and simultaneous 5-axis motion allows for the creation of a larger free tilting angle during the milling process. This advanced technology minimizes undercuts and guarantees exceptional quality and precision, eliminating the need for post-milling adjustments.



Auto Tool Change – 10 Tool Pockets

The tool pocket enables the simultaneous insertion of suitable tools for all materials, with the system automatically selecting the appropriate tool based on the processed material.

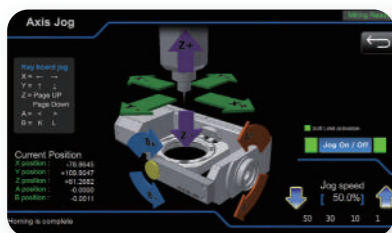
Auto-Calibration



The BXL5 features a fully automatic calibration system that is user-friendly and easy to operate.

On-screen, a step-by-step guide is provided, ensuring a straightforward and hassle-free process that can be easily followed by anyone.

Following Guide



The device provides a user-friendly and intuitive interface, enabling effortless operation for anyone. Equipped with an advanced automatic calibration system, the machine readily detects the milling position, ensuring precise and accurate milling results.

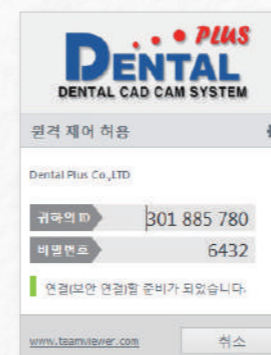
Be an Expert with BXL5

Full Auto-Calibration

Enhance your experience with our convenient auto-calibration.



BXL5



Online technical support is possible by remotely checking and controlling the machine through the internet.

NC Data Transmission method

- Lan
- USB Wireless LAN (Wi-Fi)
- USB Memory

Online Technical Support Method

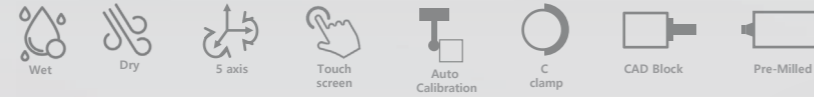
- Lan
- USB Wireless LAN (Wi-Fi)

BX5

Where Imagination Meets Innovation

A revolutionary device for dedicated professionals in clinics

Wet + Dry Type

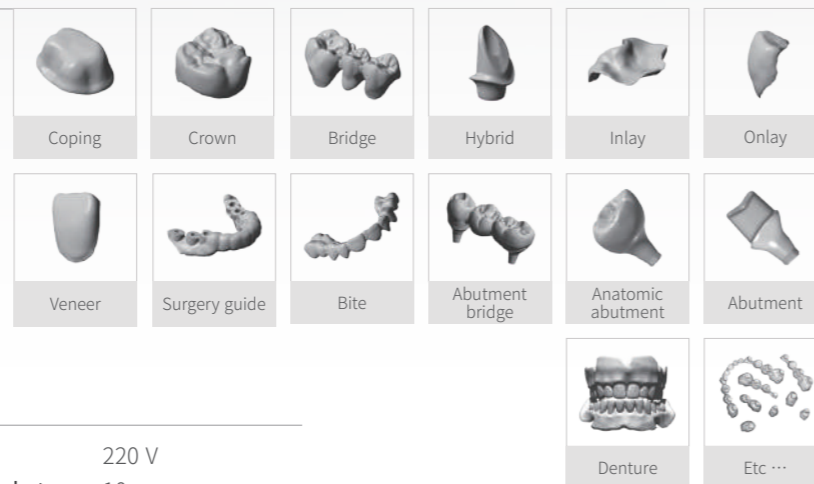
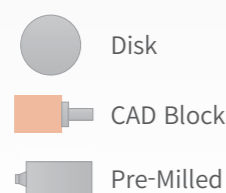


For Clinic
Chairside Milling Machine

Material

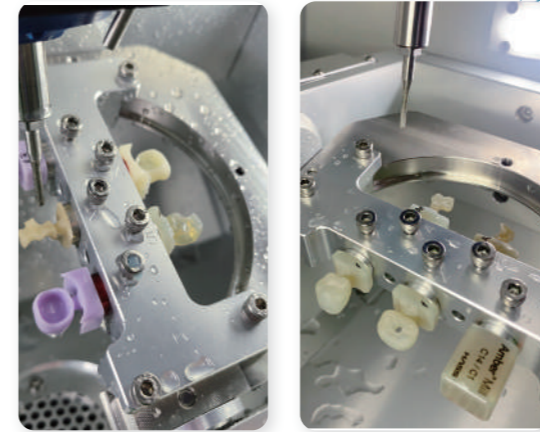
Zirconia
PMMA
PEEK
WAX
Composite
Hybrid ceramics
Glass ceramics
Titanium (Pre-milled)
Sintering metal
etc.

Material type



Spindle 50,000 rpm
Dimensions 481 x 511 x 742 mm
Weight 70 kg
Control Axis 5 Axis

Power 220 V
Tool Pocket 10
Standard Jig Disk Jig, Glass Ceramic Jig, Pre-Mill Jig
Jig Option Customized Pre-Mill Jig

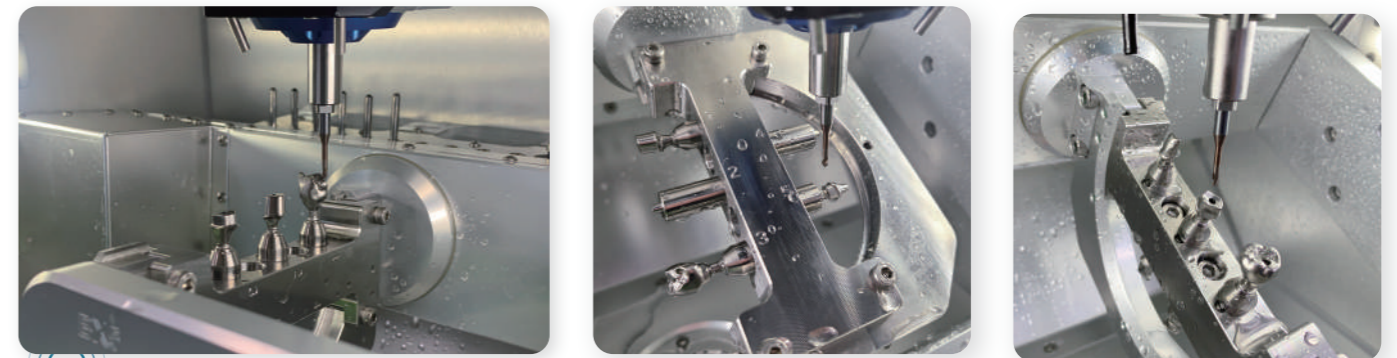
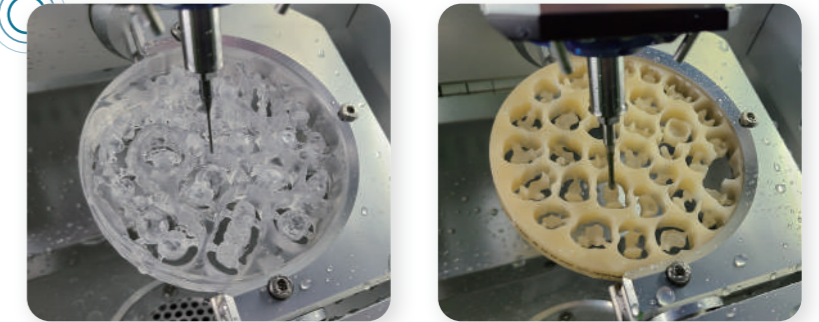


Glass Ceramic Milling for inlay, onlay, crown & veneer

BX5 provides a significant advantage over other CAD/CAM milling machines by offering the capability to simultaneously process up to five glass ceramics. This feature greatly enhances efficiency when treating multiple patients concurrently. In contrast to machines limited to processing only one ceramic at a time, BX5's advanced capabilities deliver superior performance and unmatched flexibility for dental practitioners.

Temporary Tooth

The utilization of PMMA for processing temporary teeth without undercuts allows for immediate use and high patient satisfaction. These materials, including Hybrid Resin, and techniques provide dentists with the ability to deliver superior aesthetic and functional results.



Custom Abutment (Occlusal Surface Machining)

BX5 is a sophisticated technology that can effectively handle complex processes and procedures, enabling customization of shifts that are tailored to each individual patient's specific needs. By utilizing the advanced cutting capabilities of the connector, BX5 is able to minimize complicated post-processing procedures, allowing for the creation of an integral prosthesis that can be milled and precisely fitted with glass ceramic to accurately express grooves. With these capabilities, the BX5 offers a competitive solution for delivering superior prosthetic outcomes for dentists and dental surgeons.



Surgical Guide

The BX5 provides a powerful solution for implant planning and surgical guides, ensuring accurate and safe implant treatment. With the ability to produce surgical guides (one or two) within an hour, it offers a significant reduction in preparation time compared to 3D printing, enabling precise milling, which is essential for successful surgery when placing multiple implants.

Easy Operation

Does not require specialized expertise or training!



Design & Touch Screen

It is designed to provide dental professionals with fast, accurate milling capabilities in a compact and sophisticated package. The user-friendly PC system includes a 10.1-inch touchscreen display, ensuring a streamlined and efficient user experience.



Simultaneous 5-Axis & Half Jig

The utilization of a half jig and simultaneous 5-axis motion allows for the creation of a larger free tilting angle during the milling process. This advanced technology minimizes undercuts and guarantees exceptional quality and precision, eliminating the need for post-milling adjustments.



Auto Tool Change – 10 Tool Pockets

The tool pocket enables the simultaneous insertion of suitable tools for all materials, with the system automatically selecting the appropriate tool based on the processed material.

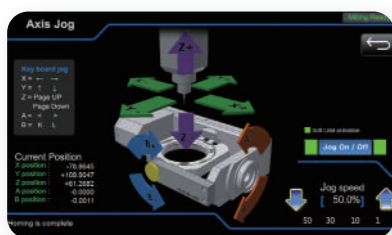
Auto-Calibration



The BX5 features a fully automatic calibration system that is user-friendly and easy to operate.

On-screen, a step-by-step guide is provided, ensuring a straightforward and hassle-free process that can be easily followed by anyone.

Following Guide

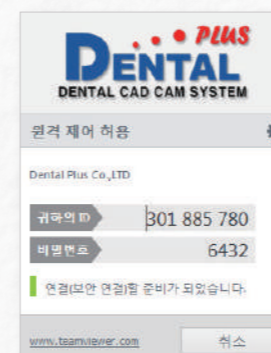


The device provides a user-friendly and intuitive interface, enabling effortless operation for anyone. Equipped with an advanced automatic calibration system, the machine readily detects the milling position, ensuring precise and accurate milling results.

Be an Expert with BX5

Full Auto-Calibration

Enhance your experience with our convenient auto-calibration.



Online technical support is possible by remotely checking and controlling the machine through the internet.

NC Data Transmission method

- Lan
- USB Wireless LAN (Wi-Fi)
- USB Memory

Online Technical Support Method

- Lan
- USB Wireless LAN (Wi-Fi)

COMMON FEATURES

Open System

CAD Software & Scanner

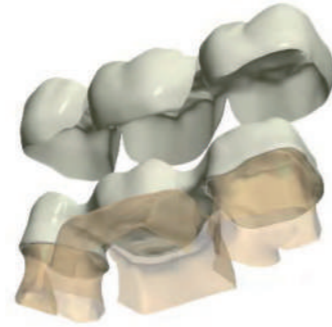
3shape

exocad

dental wings

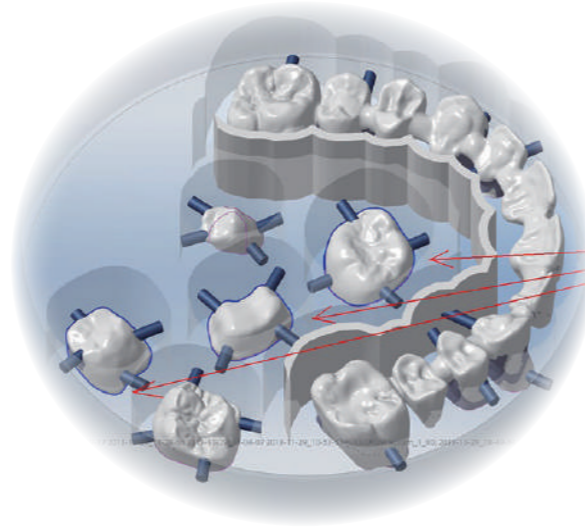


Design



CAM Software

hyperDENT



NC Data Transmission method

Online technical support is possible by remotely checking and controlling the machine through the internet.

- Lan
- USB Wireless LAN (Wi-Fi)
- USB Memory





Sales Inquiry

sales@dental-plus.co.kr
sales_01@dental-plus.co.kr
sales_02@dental-plus.co.kr

Technical Inquiry

kes@dental-plus.co.kr
support_01@dental-plus.co.kr
support_02@dental-plus.co.kr

Dental Plus Co., Ltd.

#610 Halla Sigma Valley, 545 Dunchon-daero, Jungwon-gu, Seongnam-si, Gyeonggi-do, Korea Republic 13215

Tel +82.31.786.6541 Fax +82.31.786-6540

www.dental-plus.co.kr