

Real Chairside Digital Total Solution

BX5 Plus

by MEGA'GEN



One-stop solution

– from surgical guide thru
customized abutment,
temporary crown, & even
zirconia final crown

NEW NORMAL

Paradigm shift to Digital dentistry, prepare with **R2 Solution**

Digital Equipment



CBCT



MEDIT i-series intra
oral scanner



N2 Unit Chair



T-scanner
(model)

Materials



R2 TRAY



Scan Abutment

Important for Dentists

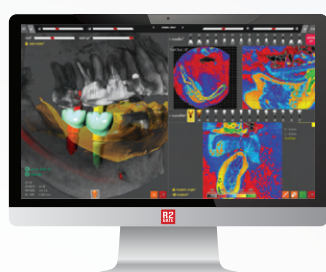
*Minimal visits,
minimized treatment time,
speedy recovery*



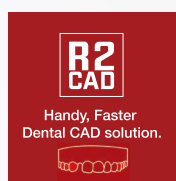
Tx. planning & Design

Digital Cad Design

In-lab Equipment



R2GATE® Premium



R2CAD



MEG-Printer IIQ



BX5 Plus



X5



Surgical KIT

R2 Package



Resin



PMMA
Abutment



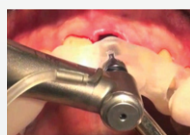
TIGEN
Abutment



Blocks



Blocks



R2 Guided Surgery
& ONE-DAY Implant™



R2 Guide™



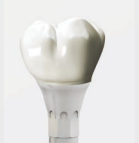
R2 Guide™



Zr. Custom



Temporary
Crown



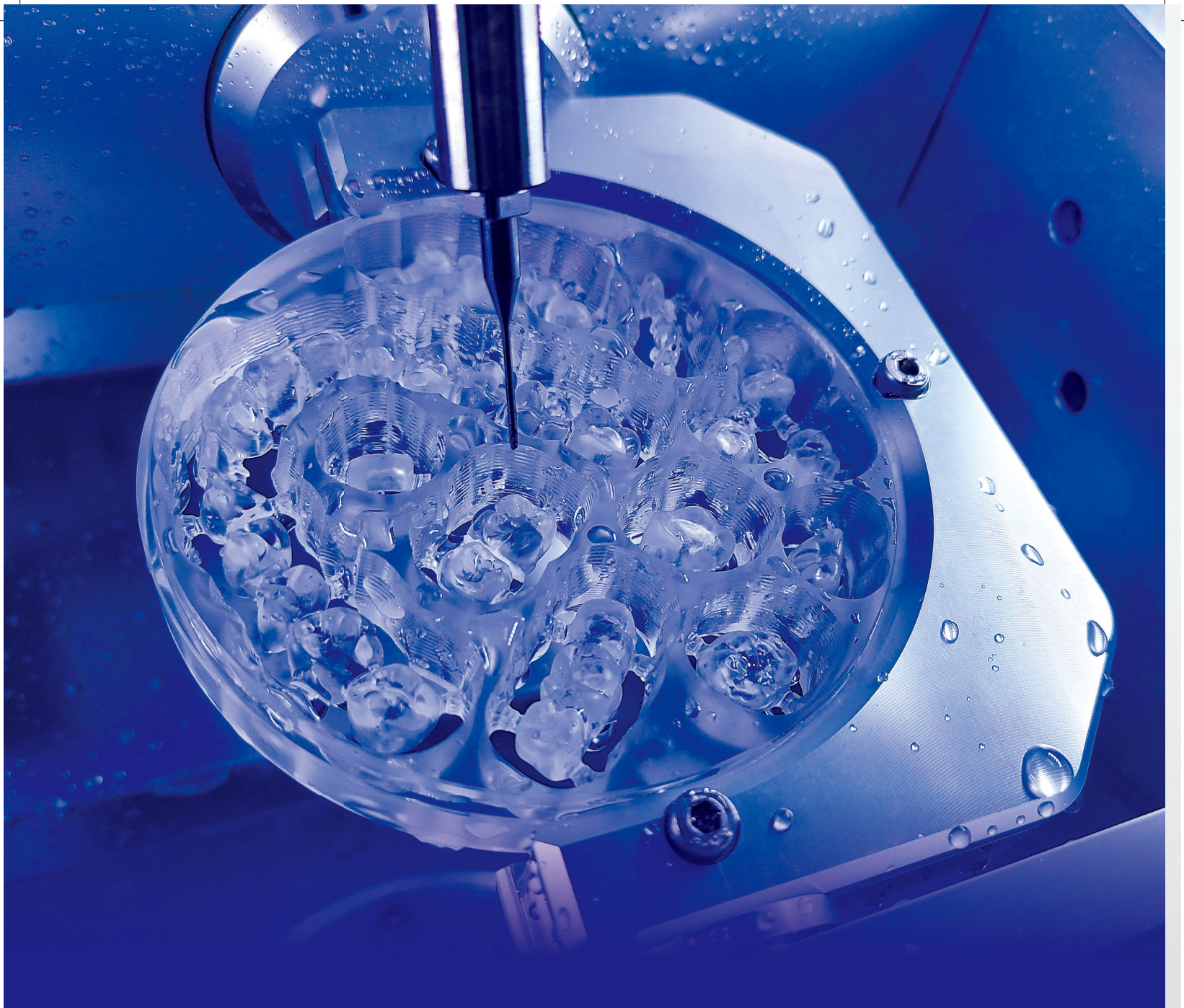
Abutment-integrated
semi-crown



Ti-Custom



Final Crown



CONTENTS

02	R2 Solution line up
06	R2 Milling Solution
08	The Extended Chairside Milling System
10	BX5 Plus Easy UI
12	Milling tools
13	Applications
14	Materials

Welcome to the digital generation

R2 Solution Milling Machine portfolio



MegaGen **R2 Solution Milling System**

Even digital beginners can do it like professionals.

With the R2 Solution Milling System, you can create a variety of digital prosthetics, and you can only use the functions you want.

- **BX5 Plus** can produce both Dry & Wet type materials in a single system.
Easy installation in a narrow work environment.
- **X5** is a reasonably priced milling system that allows the production of Dry type materials.
- **BX5** can be made from Wet milling of Disc blocks as well as Pre-mill and Glass Ceramic.

R2 Milling Solution



Megagen Materials	Material	Milling		
R2ICE PLUS AT / PT	Multi-layered Zirconia	Dry	-	Dry
VIPI TRILUX	Multi-layered PMMA	Wet	Wet	Dry
Guide PMMA	Cleared PMMA	Wet	Wet	Dry
MAZIC Duro	Shaded Hybrid Resin	Wet	Wet	Dry
TiGEN	Ti Pre-milled Abutment	Wet (Occulusal milling / Reverse milling)	Wet (Occulusal milling / Reverse milling)	-
Cuff TiGEN	Ti Pre-milled Abutment	Wet (Occulusal milling)	Wet (Occulusal milling)	-
TiGEN Medentica	Ti Pre-milled Abutment	Wet (Occulusal milling)	Wet (Occulusal milling)	-
TiGEN NT-Trading	Ti Pre-milled Abutment	Wet (Occulusal milling)	Wet (Occulusal milling)	-
PMMA Abutment	PMMA	Wet (Occulusal milling)	Wet (Occulusal milling)	-
Hass Amber Mill	Lithium Disilicate	Wet	Wet	-
Specifications				
Number of Axes		5	5	5
Spindle Power		450W	450W	450W
Weight		71 kg	70 kg	38 kg
Water Pump (Tank)		included	included	-
Dust Collector		option	-	option
Disc Blank		Ø98	Ø98	Ø98
Auto Tool Changer (number of ATC)		10	10	9
Dimensions (W x D x H) mm		481 x 531 x 742	481 x 511 x 742	392 x 549 x 575

BX5 Plus
(Hybrid)



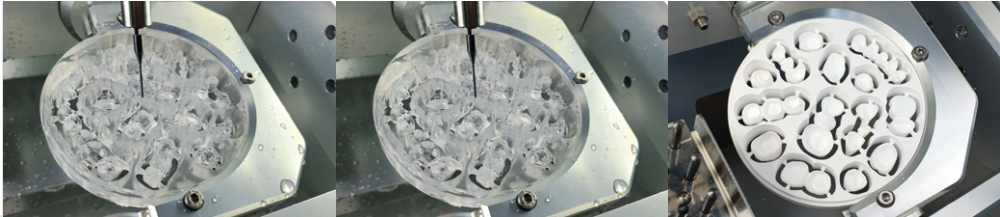
BX5
(Wet)



X5
(Dry)



Jig

			
Disc Blank (C type)			
Pre-milled for TiGEN			-
Pre-milled for NT Trading			-
Pre-milled for MEDENTICA			-
Glass Ceramic			-
Reverse jig connetor			-



All in One Hybrid Milling machine **BX5 Plus**

Following Guide

Easy to manage by checking the condition of all sorts of sensors, spindle test and others including each axis of the machine in 'Setup Page'.

Power Button

Built-in PC

The remote control is possible through the built-in screen.

Spacious Milling Room

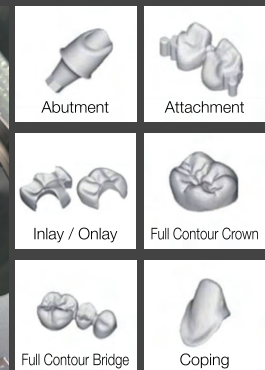
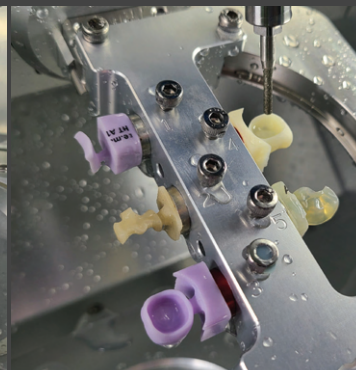
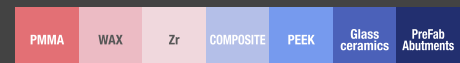
Convenient management due to controlling of appropriate position for the maintenance and cleaning

Water Pump & Tank

Mounting the water tank inside the machine

Full Auto-calibration

Use machine more easily through the auto-calibration





Affordable dry-type equipment **X5**

Following Guide

Easy to manage by checking the condition of all sorts of sensors, spindle test and others including each axis of the machine in 'Setup Page'.

Compact Size

Easy to install in small spaces



Built-in PC

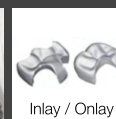
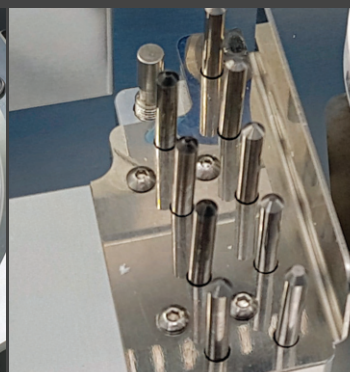
The remote control is possible through the built-in screen.

Spacious Milling Room

Convenient management due to controlling of appropriate position for the maintenance and cleaning

Full Auto-calibration

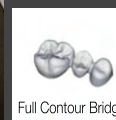
Use machine more easily through the auto-calibration



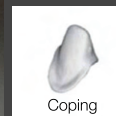
Inlay / Onlay



Full Contour Crown



Full Contour Bridge



Coping

No more technical stress

For End-User (Clinic, Dental lab)

A novice can also operate it easily without experts.
Time and cost saving, satisfactory results



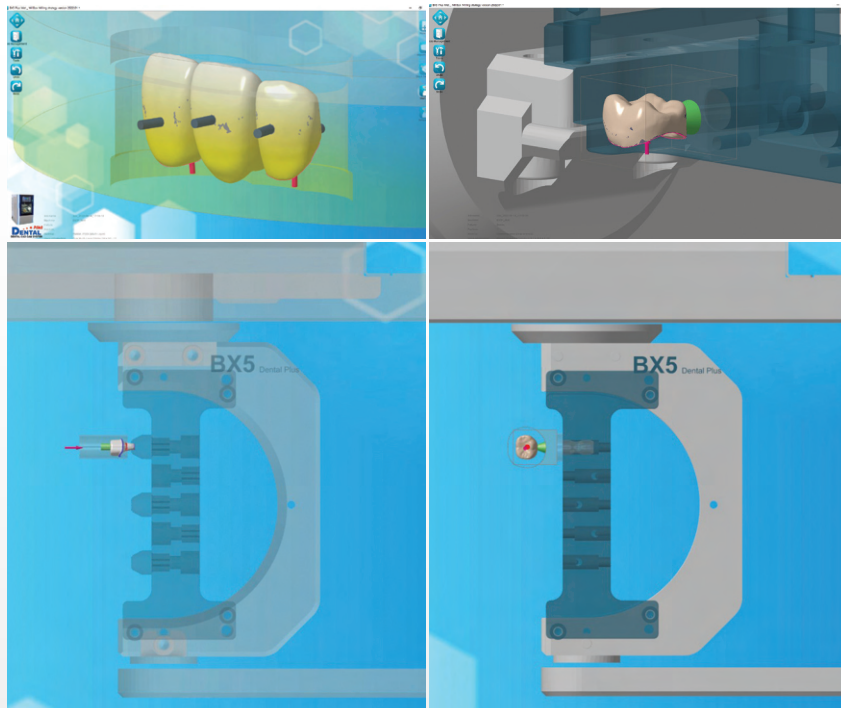
For MegaGen partners

Setup, maintenance and technical support without any technical stress.
No need for professional help. Be an expert with **R2 Milling Solution**

Easy Interface (Millbox CAM S/W)

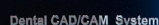
Users with less experience can quickly and easily create milling programs for the production of various indications.

- Easy positioning and aligning of framework in the blank
- Easy changing of the position
- Speedy calculation of milling paths



Easy setup and Auto-calibration (step by step guide)

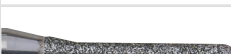
Easy setup and Auto-calibration (step by step guide)

[illegible]

Easy to manage by checking the condition of all sorts of sensors, spindle test and other including each axis of the machine in 'setup page'

Milling tools

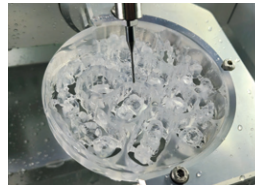
Customized solutions optimized for the particular materials and equipment

	Ref C.	Description	Material	BX5 Plus	BX5	X5
	DP-TBM3	Pre-milled 3.0mm	Titanium	Pre-milled	Pre-milled	
	DP-TBM2	Pre-milled 2.0mm	Titanium	Pre-milled	Pre-milled	
	DP-TBM15	Pre-milled 1.5mm	Titanium	Pre-milled	Pre-milled	
	DP-TBM1	Pre-milled 1.0mm	Titanium	Pre-milled	Pre-milled	
	DP-TBZ2	Zirconia 2.0mm	Zirconia	Zr		Zr
	DP-TBZ1	Zirconia 1.0mm	Zirconia	Zr		Zr
	DP-TBZ05	Zirconia 0.5mm	Zirconia	Zr PMMA	PMMA	Zr PMMA
	DP-TFZ15	Zirconia Flat 1.5mm	Zirconia	Zr PMMA	PMMA	Zr PMMA
	DP-TBP2	PMMA 2.0mm	PMMA	PMMA	PMMA	PMMA
	DP-TBP1	PMMA 1.0,,	PMMA	PMMA	PMMA	PMMA
	DP-TDC25	Diamond grinding 2.5mm (For wet)	Glass ceramic / Composite	COMPOSITE Glass ceramics	COMPOSITE Glass ceramics	
	DP-TDC2	Diamond grinding 2.0mm (For wet)	Glass ceramic / Composite	COMPOSITE Glass ceramics	COMPOSITE Glass ceramics	
	DP-TDC1	Diamond grinding 1.0mm (For wet)	Glass ceramic / Composite	COMPOSITE Glass ceramics	COMPOSITE Glass ceramics	
	DP-TDC06	Diamond grinding 0.6mm (For wet)	Glass ceramic / Composite	COMPOSITE Glass ceramics	COMPOSITE Glass ceramics	
	DP-TDX52	Diamond grinding 2.0mm (For Dry)	Glass ceramic / Composite			COMPOSITE Glass ceramics
	DP-TDX51	Diamond grinding 1.0mm (For Dry)	Glass ceramic / Composite			COMPOSITE Glass ceramics
	DP-TDX506	Diamond grinding 0.6mm (For Dry)	Glass ceramic / Composite			COMPOSITE Glass ceramics

Applications

Disc jig (Main frame / 98mm)

- Easy to change blank
- Enables 5-axes machining up to 90 degrees axis adjustment



Pre-milled jig (BX5 Plus, BX5)

- Short production times and effective fabrication due to 5-hold abutment adapter
- High accuracy of fit due to pre-milled abutment
- Reverse milling enables precise production (with reverse jig connector option)



Pre-milled with reverse connector



Pre-milled with reverse connector



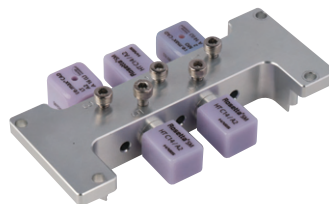
Pre-milled jig for NT-Trading



Pre-milled jig for Medentica

Cerec rod type jig (BX5 Plus, BX5)

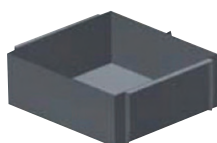
- New 5-hold adapter enables effective production
- Crown, inlay, onlays, veneers etc



Wet and Dry accessories (BX5 Plus)

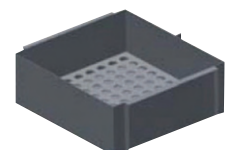
Dry-type conversion box

Convert to the dry type easily by replacing the box for dry type in the drawer.



Wet-type filter box

Easy to clean and filter out milling chips through the milling chip filter box when milling metals.



Materials

Disc Jig (Main frame / 98mm)



R2iCE TSML Multi-layer ZR disc
(for Anterior)

- Covers all indications for dental restorations of up to 8 units
- Ultra High Transparency with 9 gradation layers
- Ideally suited for monolithic restorations

Ø x H (mm)
98 x 10
98 x 12
98 x 14
98 x 16
98 x 18
98 x 20
98 x 25



R2iCE STML PT Multi-layer ZR disc
(for Posterior)

- Covers all indications for dental restorations of up to 16 units
- High Transparency with 9 gradation layers
- 9 gradation layers
- Ideally suited for monolithic restorations

Ø x H (mm)
98 x 10
98 x 12
98 x 14
98 x 16
98 x 18
98 x 20
98 x 25



Pre-shaded PMMA Disc

- CE Class II certification
- Crown & Bridge
- Surgical guide
- Shade A1, A2, A3

Ø x H (mm)
98 x 16
98 x 20



Clear PMMA Disc

- Surgical guide
- Bite splint

Ø x H (mm)
98 x 16
98 x 20



Multi-layered PMMA Disc

- CE Class II certification
- 5 gradation layered
- Crown & Bridge
- A1 ~ A3.5

Ø x H (mm)
98 x 16
98 X 20

Cerec rod type Jig



Hass amber glass ceramic

- Covers all indications for dental restorations of up to 8 units
- Ultra High Transparency with 9 gradation layers
- Ideally suited for monolithic restorations

Dimensions (mm)	pcs / Pack
10 x 12 x 15	5 blocks
12 x 14 x 18	
14 x 14 x 32	
15 x 15 x 38	3 blocks

Pre-milled Jig



TiGEN Abutment

- Optimized Megagen implant system

Diameter x H (mm)
Ø10 x 20
Ø12 x 20



Cuff TiGEN

- Optimized Megagen implant system
- Reduce milling time and precision is increased with reverse milling

Diameter x H (mm)	Cuff Height
Ø8 x 16	0.6
Ø10 x 16	1.5
Ø12 x 16	3.0



PMMA Abutment (Coming soon)

- Only available Megagen implant system
- PMMA + abutment hybrid material
- 50% reduction in processing time



TiGEN for NT-Trading

- Optimized Megagen implant system
- Available in NT-Trading jig

Diameter x H (mm)
Ø10 x 16
Ø12 x 16



TiGEN for Medentika

- Optimized Megagen implant system
- Available in MEDENTICA jig

Diameter x H (mm)
Ø10 x 14
Ø12 x 14

Real Chairside Digital Total Solution



Head Office & Factory
Gangnam Office

45, Secheon-ro 7-gil, Dasa-eup, Dalseong-gun, Daegu, Korea
MegaGen Tower, 607 Seolleung-ro, Gangnam-gu, Seoul, Korea

T. +82-1544-2285
T. +82-1566-2338