Purdenti™

COMMITTED TO EXCELLENCE

CAD/CAM Milling Bur

CAD/CAM MILLING BURS

Zirconia | Metal | Glass Ceramic | PMMA

High-precision CAD/CAM milling burs for zirconia, metal, glass ceramic and PMMA, compatible with leading dental machining systems worldwide.

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COMPANY PROFILE

Company Profile

Purdenti is a specialized brand focused on the R&D, selection and global supply of CAD/CAM milling burs. Drawing on mature expertise accumulated within our partner manufacturing system in digital dental production, we deliver high-precision, high-reliability CAD/CAM milling tool solutions for dental laboratories, clinics and oral healthcare institutions.

Our milling burs are finish-ground on Swiss TTB and Japanese MAKINO precision grinders, using ultrafine-grain solid carbide rods with outstanding rigidity and wear resistance. Advanced Swiss coating technology raises surface hardness and lowers the friction coefficient, ensures strong coating adhesion, and delivers stable, long-lasting cutting performance that meets the demanding requirements of digital dental production.

The full range is compatible with leading global dental milling machines and processes zirconia, metal, PMMA, glass ceramic and other materials.

Our dedicated R&D team continuously optimizes products against real machining conditions and supports custom development with tailored tool solutions. Our stable, reliable quality and professional technical service earn the trust of our customers.



Global Equipment

End-to-End QA

CORE ADVANTAGES

Four Core Advantages

Imported Equipment
Swiss TTB and Japanese MAKINO grinders: precise geometry, stable dimensions

Premium Substrate
0.2/0.4 µm ultrafine-grain carbide: high rigidity and wear resistance

Swiss Coating
Diamond, DLC and multi-layer coatings for greater hardness and tool life

Universal Compatibility
Compatible with leading dental systems across all materials

GLOBAL SUPPORT

Leading Equipment · Global Technical Support

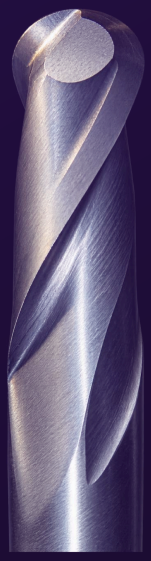


Purdenti burs are fully compatible with **leading international CAD/CAM equipment**, delivering fast support for overseas customers on machining challenges and customized selection.

ZIRCONIA MILLING BURS

Zirconia Milling burs

ULTRA-FINE GRAIN TUNGSTEN CARBIDE · DEDICATED DIAMOND COATING



Dedicated Diamond Coating
Designed for zirconia, with tougher cutting edges for more stable machining.

Premium Raw Substrate
0.2 / 0.4 µm ultrafine-grain carbide rod: high rigidity and wear resistance safeguard tool life.

Tough Cutting Edge
Special geometry: high strength, long life and high quality, reducing chipping.

Consistent Output
Stable cutting and durable performance, with a tested output of **1000+Units**.

Pieces Processed	Coating Process	Substrate Grain
1000+Units	**Diamond**	**0.2–0.4µm**



APPLICATION

All-Ceramic Crowns & Bridges · Glass Ceramic

Precision machining of hard all-ceramic materials such as zirconia and glass ceramic; the diamond-coated tough edge minimizes chipping and leaves clean edges.

MATERIALS
Zirconia

COATING
Diamond Coating

METAL MILLING BURS

Metal Milling burs

ULTRA-FINE GRAIN TUNGSTEN CARBIDE · MULTI-LAYER COATING FOR TITANIUM



Al-Cr-based/Si-based Coating
A composite multi-layer coating designed for titanium and cobalt-chrome: it preserves machining quality while extending tool life.

Precision Grinding
Ground on Swiss TTB and Japanese MAKINO machines, ensuring every bur is consistent and stable.

Purpose-Designed Geometry
Longer life and better machining quality, safeguarding dental production.

Extended Tool Life
High-strength special geometry, with a tested machining time of **1800+Mins**.

Machining Time Test	Coating Process	Substrate Grain
1800+Mins	**Al-Cr/Si-based**	**0.2–0.4µm**



APPLICATION

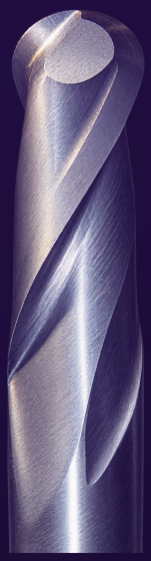
Metal Frameworks · Implant Abutments
Precision machining of titanium, cobalt-chromium and other metals for frameworks, implant abutments and clasps: heat- and wear-resistant with complete edges.

MATERIALS	COATING
Titanium / CoCr Alloy	Al-Cr-based/Si-based

GLASS CERAMIC MILLING BURS

Glass Ceramic Milling burs

ULTRA-FINE GRAIN TUNGSTEN CARBIDE · DEDICATED DIAMOND GRINDING EDGE



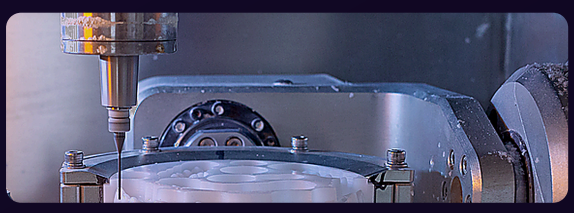
Dedicated Diamond Grinding Edge
Engineered for brittle glass ceramic: sharp edge and strong grinding force balance machining efficiency with edge quality.

Fine Chip Evacuation
Smooth discharge of glass ceramic chips prevents clogging and edge chipping for a clean machined surface.

Precision Grinding
Ground on Swiss TTB and Japanese MAKINO machines, ensuring every bur is consistent and reliable.

Chip-Resistant Edge
Tough edge design reduces micro-chipping of glass ceramic for complete, precise margins.

Grinding Performance	Coating	Grain Size
Efficient & Stable	**Diamond Grit**	**0.2–0.4µm**



APPLICATION

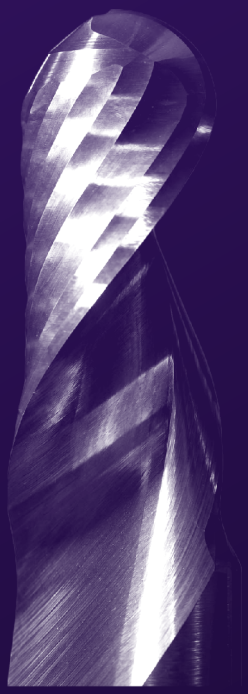
Glass Ceramic Crowns · Veneers & Inlays
For glass ceramic crowns, bridges, veneers and inlays: fewer edge chips and high machining precision.

MATERIALS	COATING
Glass Ceramic	Diamond Grit

PMMA MILLING BURS

PMMA Milling burs

ULTRA-FINE GRAIN TUNGSTEN CARBIDE · SINGLE-FLUTE CHIP EVACUATION



Ultrafine-Grain Carbide Substrate

0.2 / 0.4 µm ultrafine-grain carbide rod: high rigidity and wear resistance safeguard tool life.

Precision Grinding

Ground on Swiss TTB and Japanese MAKINO machines, ensuring every bur is consistent and stable.

Single-Flute Chip Evacuation

Light cutting with smooth chip flow, effectively preventing sticking and chip clogging.

DLC Coating

DLC coating with a friction coefficient as low as **0.05–0.1**: low friction, anti-sticking and reliable protection for soft-material machining.

Friction Coefficient	Substrate Grain	Grinding Machines
0.05–0.1	**0.2–0.4µm**	**TTB · MAKINO**



APPLICATION

Temporary Restorations

Efficiently cuts soft materials such as PMMA resin temporary crowns, bridges and wax patterns, with smooth chip flow, no sticking and clean edges.

MATERIALS	COATING
PMMA	DLC

End-to-End Quality Assurance · Compatible Equipment List

From rod to after-sales, every stage is controlled so every bur performs consistently.

Premium Carbide Rod
Ultrafine-grain premium carbide rod: high rigidity and excellent wear resistance

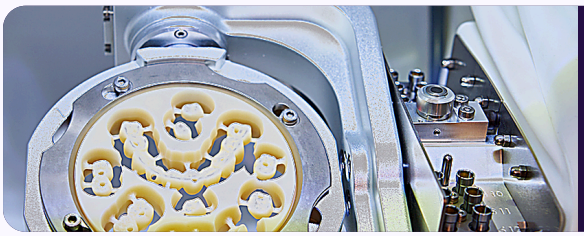
Imported Machining
Precision grinding on Swiss TTB and Japanese MAKINO machines

Swiss Coating
Advanced Swiss coating raises hardness and wear resistance

German Inspection
Strict checks on dimensions and cutting-edge quality

Reliable After-Sales Support
A professional technical team responds quickly to machining challenges

- Aidite / UPCERA
- Camdent
- Dentium
- Elosdent
- JINY
- Sirona / PM7 / DOF
- XTCERA
- YRC
- AMANN GIRRBACH / Ivoclar
- Cradle / Wieland Mini / VHF
- Deprag
- IMES ICORE
- UP3D / Roland / ARUM
- VHF / BSM
- Yenadent
- Zirkonzahn / Ideal



WORLDWIDE PARTNERSHIP

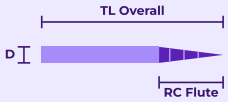
Serving Dental Workshops Worldwide

Fast after-sales support; our burs cover mainstream CAD/CAM machining systems.

SPECIFICATIONS

Compatible Bur Specifications

TL = Overall length | RC = Flute length | D = Shank diameter | R = Tip radius
Actual service life varies with spindle speed and machine condition. Compatible with zirconia, titanium, CoCr, glass ceramic, PMMA and wax.



Naming Convention

Example: **R1.0*RC16*D4*TL50 Φ2.0** — tip radius R1.0mm, flute length 16mm, shank diameter 4mm, overall length 50mm, cutting diameter Φ2.0mm.
The prefix T1/T2/T3 marks different specification tiers within one series; models marked "extended" have a longer flute and overall length.



Compatible Equipment List

Aidite / UPCERA
AMW-400 · AMD-500 · UP2000-D3 · UP2000-D4 · UPCERA-X5

AMANN GIRRBACH · Ivoclar
AMANN GIRRBACH · Ivoclar

Camdent
Camdent

Cradle / Wieland Mini / VHF
Cradle-C41 · Cradle-B42 · Cradle-A51/A52 · Wieland Mini/VHF-K4

Dentium
Dentium-D3 · Dentium-D4 · Dentium-D6

Deprag
Deprag

Elosdent
Elosdent

IMES ICORE
250i · 350i

JINY
D6 · 3.175 · D4 · D6

UP3D / Roland / ARUM
UP3D · Roland · Roland-4W · ARUM

Sirona · DOF · PM7
Sirona · DOF · PM7

VHF / BSM
VHF-N4 · Kemei · BSM-D6 · BSM

XTCERA
Xmill-220 · Xmill-300 · Xmill-500 · Xmill-600

Yenadent
Yenadent

YRC
YRC-5X · YRC

Zirkonzahn / Ideal
Zirkonzahn-M5 · Zirkonzahn-M1 · Ideal

Note: Only selected machines and models are shown. Contact our sales team for other models or custom requirements.

Aidite / UPCERA



AMW-400 Glass Ceramic Bur
Glass ceramic milling burs

- T1 R1.25*RC15*D6*TL50 Φ2.5
- T2 R0.5*RC10*D6*TL50 Φ1.0
- T3 R0.3*RC10*D6*TL50 Φ0.6



AMW-400 Metal Bur
Metal milling burs

- T1 R1.5*RC15*D6*TL50 Φ3.0
- T2 R1.0*RC12*D6*TL50 Φ2.0
- T3 R0.5*RC10*D6*TL50 Φ1.0



AMD-500 Zirconia Bur
Zirconia milling burs

- T1 R1.0*RC16*D4*TL50 Φ2.0
- T2 R0.5*RC16*D4*TL50 Φ1.0
- T3 R0.3*RC8*D4*TL50 Φ0.6
- R1.0*RC22*D4*TL50 Φ2.0 Extended
- R0.5*RC20*D4*TL50 Φ1.0 Extended



UP2000-D3 Zirconia Bur
Zirconia milling burs

- T1 R1.0*RC16*D3*TL50 Φ2.0
- T2 R0.5*RC16*D3*TL50 Φ1.0
- T3 R0.3*RC8*D3*TL50 Φ0.6



UP2000-D4 Zirconia Bur
Zirconia milling burs

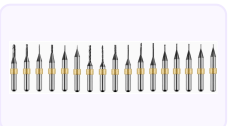
- T1 R1.0*RC16*D4*TL50 Φ2.0
- T2 R0.5*RC16*D4*TL50 Φ1.0
- T3 R0.3*RC8*D4*TL50 Φ0.6



UPCERA-X5 Zirconia Bur
Zirconia milling burs

- T1 R1.0*RC16*D4*TL45 Φ2.0
- T2 R0.75*RC16*D4*TL45 Φ1.0
- T3 R0.5*RC16*D4*TL50 Φ1.0
- 1.0*RC16*D4*TL50 Φ1.0
- R0.3*RC8*D4*TL45 Φ0.6

Camdent



Camdent Metal Bur
Metal milling burs

- T1 R1.5*RC15*D6*TL50 Φ3.0
- T2 R1.0*RC12*D6*TL50 Φ2.0
- T3 R0.5*RC10*D6*TL50 Φ1.0
- T4 2.0*RC7*D6*TL50 Φ2.0
- T5 1.0*RC5*D6*TL50 Φ1.0
- T6 0.5*RC3*D6*TL50 Φ0.5
- T7 2.2*RC18*D6*TL50 Φ2.2
- T8 1.5*RC13*D6*TL50 Φ1.5
- T9 2R0.2*RC5*D6*TL50 Φ2.0
- T10 1.5R0.1*RC14*D6*TL50 Φ1.5
- T11 1.5R0.75*RC12*D6*TL50 Φ1.5
- T12 1.5*RC14*D6*TL50 Φ2.5
- T13 R1.0*RC6*D6*TL50 Φ1.0
- T14 R0.9*RC6*D6*TL50 Φ1.0
- T15 R0.8*RC6*D6*TL50 Φ1.0
- T16 R0.7*RC4*D6*TL50 Φ1.0
- T17 R0.6*RC3.5*D6*TL50

Dentium



Dentium-D3 Zirconia Bur
Zirconia milling burs

T1 R1.0*RC16*D3*TL50 Φ2.0	T2 R0.5*RC16*D3*TL50 Φ1.0
T3 R0.3*RC10*D3*TL50 Φ0.6	



Dentium-D4 Zirconia Bur
Zirconia milling burs

T1 R1.0*RC16*D4*TL45 Φ2.0	T2 R0.5*RC16*D4*TL50 Φ1.0
T3 R0.3*RC10*D4*TL50 Φ0.6	



Dentium-D6 Zirconia Bur
Zirconia milling burs

R1*RC16*D6*TL50 Φ2.0	R0.5*RC16*D6*TL50 Φ1.0
R0.3*RC10*D6*TL50 Φ0.6	



Dentium-D6 Glass Ceramic Bur
Glass ceramic milling burs

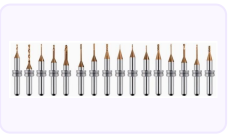
T1 R1.0*RC13*D6*TL50 Φ2.0	T2 R0.5*RC10*D6*TL50 Φ1.0
T3 R0.3*RC6*D6*TL50 Φ0.6	



Dentium Metal Bur
Metal milling burs

R1.5*RC15*D6*TL50 Φ3.0	R1*RC12*D6*TL50 Φ2.0
R0.75*RC10*D6*TL50 Φ1.5	

Elosdent



Elosdent Metal Bur
Metal milling burs

T1 1.5*RC15*D6*TL60 Φ1.5	T2 2.0*RC22*D6*TL60 Φ2.0
T3 R0.5*RC10*D6*TL50 Φ1.0	T4 R1.0*RC12*D6*TL50 Φ2.0
T5 R1.5*RC15*D6*TL50 Φ3.0	T6 1.5R0.1*RC14*D6*TL50 Φ1.5
T7 1.5R0.1*RC14*D6*TL50 Φ1.5	T8 2.0R0.1*RC12*D6*TL50 Φ2.0
T9 0.5*RC3*D6*TL50 Φ0.5	T10 1.0*RC5*D6*TL50 Φ1.0
T11 1.0*RC8*D6*TL50 Φ1.0	T12 2.0*RC10*D6*TL50 Φ2.0
T13 R0.5*RC10*D6*TL50 Φ1.0	T14 R1.0*RC12*D6*TL50 Φ2.0
T15 R0.75*RC10*D6*TL50 Φ1.5	T16 2.0R0.2*RC20*D6*TL50 Φ2.0

JINY



JINY D6 PMMA Bur
PMMA milling burs

R1.0*RC15*D6*TL50	R0.5*RC15*D6*TL50
R0.3*RC10*D6*TL50	



JINY 3.175 Zirconia Bur
Zirconia milling burs

R1.0*RC18*D3.175*TL45 Φ2.0	R0.5*RC18*D3.175*TL45 Φ1.0
R0.3*RC10*D3.175*TL45 Φ0.6	



JINY D4 Zirconia Bur
Zirconia milling burs

T1 R1.0*RC16*D4*TL45 Φ2.0	T2 R0.5*RC16*D4*TL45 Φ1.0
T3 R0.3*RC8*D4*TL45 Φ0.6	



JINY D6 Zirconia Bur
Zirconia milling burs

R1.0*RC20*D6*TL45 Φ2.0	R0.5*RC16*D6*TL45 Φ1.0
R0.3*RC8*D6*TL45 Φ0.6	1.5*RC16*D6*TL50 flat



JINY Metal Bur
Metal milling burs

T1 R1.5*RC15*D6*TL50 Φ3.0	T2 R1.0*RC12*D6*TL50 Φ2.0
T3 R0.5*RC10*D6*TL50 Φ1.0	T4 2.2*RC20*D6*TL50 Φ2.2
T5 1.5*RC15*D6*TL50 Φ1.5	T6 2.0*RC8*D6*TL50 Φ2.0
T7 R0.75*RC12*D6*TL50 Φ1.5	T8 2R0.2*RC12*D6*TL50 Φ2.0
T9 1.5R0.1*RC16*D6*TL50 Φ1.5	T10 1.5R0.1*RC12*D6*TL50 Φ1.5
T11 R0.25*RC6*D6*TL50 Φ0.6	T12 1*RC8*D6*TL50 Φ1.0
T13 0.5*RC5*D6*TL50 Φ0.5	T14 M1.6*D6*TL50
T17 1.5*R0.1*RC20*D6*TL50	T18 M1.4*D6*TL50
T19 M1.8*D6*TL50	T20 M2.0*D6*TL50
T21 D6*TL50	



JINY D4 Glass Ceramic Bur
Glass ceramic milling burs

T1 R1.0*RC15*D4*TL45 Φ2.0	T2 R0.5*RC12*D4*TL45 Φ1.0
T3 R0.3*RC10*D4*TL45 Φ0.6	



JINY D6 Glass Ceramic Bur
Glass ceramic milling burs

T1 R1.0*RC15*D6*TL50 Φ2.0	T2 R0.5*RC10*D6*TL50 Φ1.0
T3 R0.3*RC10*D6*TL50 Φ0.6	

Sirona / PM7 / DOF



Sirona Zirconia Bur
Zirconia milling burs

- T1 R1.25*RC20*D3*TL48 Φ2.5
- T2 R0.5*RC16*D3*TL48 Φ1.0
- T3 R0.3*RC10*D3*TL48 Φ0.6



DOF Zirconia Bur
Zirconia milling burs

- T1 R1.0*RC16*D3*TL40 Φ2.0
- T3 R0.5*RC16*D3*TL40 Φ1.0



PM7 Metal Bur
Metal milling burs

- R1.5*RC15*D6*TL50 Φ3.0
- R1.0*RC12*D6*TL50 Φ2.0
- R0.75*RC10*D6*TL50 Φ1.5
- R0.3*RC5*D6*TL50 Φ0.6

XTCERA



Xmill-220 Zirconia Bur
Zirconia milling burs

- T1 R1.0*RC16*D3*TL50 Φ2.0
- T2 R0.5*RC16*D3*TL50 Φ1.0
- T3 R0.3*RC8*D3*TL50 Φ0.6



Xmill-300 Metal Bur
Metal milling burs

- T1 R1.5*RC15*D4*TL50 Φ3.0
- T2 R1.0*RC12*D4*TL50 Φ2.0
- T3 R0.75*RC10*D4*TL50 Φ1.5



Xmill-500 Zirconia Bur
Zirconia milling burs

- T1 R1.0*RC16*D4*TL50 Φ2.0
- T2 R0.5*RC16*D4*TL50 Φ1.0
- T3 R0.3*RC8*D4*TL50 Φ0.6
- R1.0*RC22*D4*TL50 Φ2.0 Extended
- R0.5*RC20*D4*TL50 Φ1.0 Extended



Xmill-300 Glass Ceramic Bur
Glass ceramic milling burs

- T1 R1.5*RC15*D4*TL50 Φ3.0
- T2 R1.0*RC12*D4*TL50 Φ2.0
- T3 R0.75*RC10*D4*TL50 Φ1.5



Xmill-600 Metal Bur
Metal milling burs

- T1 R1.5*RC15*D6*TL50 Φ3.0
- T2 R1.0*RC12*D6*TL50 Φ2.0
- T3 R0.5*RC10*D6*TL50 Φ1.0
- T4 2.0R0.2*RC5*D6*TL50 Φ2.0
- T5 1.5*R0.1*RC14*D6*TL50 Φ1.5
- T6 2.0*RC7*D6*TL50 Φ2.0
- T7 1.5*RC14*D6*TL50 Φ1.5
- T8 1.0*RC5*D6*TL50 Φ1.0
- T9 0.5*RC2*D6*TL50 Φ0.5
- T10 2.2*RC14*D6*TL50 Φ2.0
- T11 1.5*RC7*D6*TL50 Φ1.5

YRC



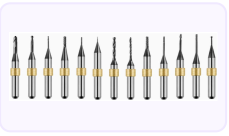
YRC-5X Zirconia Bur
Zirconia milling burs

R1.0*RC16*D4*TL50 Φ2.0	R0.75*RC16*D4*TL50 Φ1.5
R0.5*RC16*D4*TL50 Φ1.0	R0.3*RC10*D4*TL50 Φ0.6



YRC Glass Ceramic Bur
Glass ceramic milling burs

R1.25*RC16*D6*TL50 Φ2.5	R1.0*RC10*D6*TL50 Φ1.0
R0.3*RC10*D6*TL50 Φ0.6	



YRC Metal Bur
Metal milling burs

T1 R1.5*RC12*D6*TL50 Φ3.0	T2 R1.0*RC12.5*D6*TL50 Φ2.0
T3 R0.75*RC8*D6*TL50 Φ1.5	T4 R0.5*RC8*D6*TL50 Φ1.0
T5 0.5*RC4*D6*TL50 Φ0.5	T6 2.0*RC16*D6*TL50 Φ2.0
T7 1.5*RC16*D6*TL50 Φ1.5	T8 1.5*RC16*D6*TL50 Φ1.5
T9 2.5*RC16*D6*TL50 Φ2.5	T10 1.5*RC16*D6*TL50 Φ1.5
T11 2.0*RC6*D6*TL50 Φ2.0	T12 1.0*RC6*D6*TL50 Φ1.0
T13 0.5*RC4*D6*TL50 Φ0.5	

AMANN GIRRBACH / Ivoclar



AMANN GIRRBACH Glass Ceramic Bur
Glass ceramic milling burs

T1 1.8*RC14*D3*TL43 Φ1.8	T2 1.4*RC14*D3*TL43 Φ1.4
T3 1.0*RC14*D3*TL43 Φ1.0	T4 0.4*RC14*D3*TL43 Φ0.4



Ivoclar PMMA Bur
PMMA milling burs

T1 2.5*RC18*D6*TL50	T2 1.5*RC16*D6*TL50
T3 1.0*RC10*D6*TL50	T4 0.6*RC5*D6*TL50



AMANN GIRRBACH Zirconia Bur
Zirconia milling burs

T1 R1.25*RC8*D3*TL47 Φ2.5	T2 R0.5*RC16*D3*TL47 Φ1.0
T3 R0.3*RC13*D3*TL47 Φ0.6	



Ivoclar PMMA Bur
PMMA milling burs

T1 3.0*RC15*D6*TL50 Φ3.0	T2 2.0*RC12*D6*TL50 Φ2.0
T3 1.5*RC10*D6*TL50 Φ1.5	T4 0.6*RC5*D6*TL50 Φ0.6

Cradle / Wieland Mini / VHF



Cradle-C41 Glass Ceramic Bur
Glass ceramic milling burs

T1 R1.25*RC16*D3*TL40 Φ2.5	T2 R0.5*RC10*D3*TL40 Φ1.0
T3 R0.3*RC10*D3*TL40 Φ0.6	



Cradle-B42 Glass Ceramic Bur
Glass ceramic milling burs

T1 R1.25*RC16*D6*TL50 Φ2.5	T2 R0.5*RC10*D6*TL50 Φ1.0
T3 R0.3*RC10*D3*TL50 Φ0.6	



Cradle-A51/A52 Zirconia Bur
Zirconia milling burs

T1 R1.0*RC16*D3*TL40 Φ2.0	R0.75*RC16*D3*TL40 Φ1.5
T2 R0.5*RC16*D3*TL40 Φ1.0	T3 R0.3*RC10*D3*TL40 Φ0.6



Wieland Mini / VHF-K4 Zirconia Bur
Zirconia milling burs

T1 R1.25*RC20*D3*TL35 Φ2.5	T2 R0.5*RC16*D3*TL35 Φ1.0
T3 R0.3*RC7*D3*TL35 Φ0.6	



Cradle Metal Bur
Metal milling burs

T1 R1.5*RC15*D6*TL50 Φ3.0	T2 R1.0*RC12*D6*TL50 Φ2.0
T3 R0.5*RC10*D6*TL50 Φ1.0	T4 2.5*RC15*D6*TL50 Φ2.5
T5 1.5*RC13*D6*TL50 Φ1.5	T6 2.0*RC7*D6*TL50 Φ2.0
T7 R0.75*RC10*D6*TL50 Φ1.5	T8 2.0*R0.2*RC12*D6*TL50 Φ2.0
T9 1.5*R0.1*RC14*D6*TL50 Φ1.5	T10 1.5*R0.1*RC6*D6*TL50 Φ1.5
T11 R0.25*RC3*D6*TL50 Φ0.5	T12 1.0*RC5*D6*TL50 Φ1.0



QUALITY CONTROL

Inspected One by One, Traceable Quality

Every bur passes microscopic edge inspection and dimensional check for consistent outgoing quality.

Deprag



Deprag Zirconia Bur
Zirconia milling burs

2.0*RC16*D4*TL50 Φ2.0	1.0*RC16*D4*TL50 Φ1.0
0.6*RC8*D4*TL50 Φ0.6	1.5*RC20*D4*TL50 Φ1.5
0.3*RC3*D4*TL50 Φ0.3	



Deprag PMMA Bur
PMMA milling burs

R1.25*RC16*D4*TL50 Φ2.5	1.5*RC16*D4*TL50 Φ1.5
1.0*RC16*D4*TL50 Φ1.0	0.6*RC8*D4*TL50 Φ0.6



Deprag Metal Bur
Metal milling burs

T1 R1.5*RC15*D6*TL50 Φ3.0	T2 R1.0*RC12.5*D6*TL50 Φ2.0
T3 R0.75*RC10.5*D6*TL50 Φ1.5	T4 R0.5*RC8*D6*TL50 Φ1.0
T5 0.5*RC4*D6*TL50 Φ0.5	T6 2.0*RC16*D6*TL50 Φ2.0
T7 1.5*RC16*D6*TL50 Φ1.5	T8 1.5*RC6*D6*TL50 Φ1.5
T9 2.5*RC16*D6*TL50 Φ2.5	T10 1.5*RC16*D6*TL50 Φ1.5
T11 2.0*RC6*D6*TL50 Φ2.0	T12 1.0*RC6*D6*TL50 Φ1.0

IMES ICORE



IMES ICORE-250i Glass Ceramic Bur
Glass ceramic milling burs

T1 R1.25*RC15*D3*TL42 Φ2.5	T2 R0.5*RC10*D3*TL42 Φ1.0
T3 R0.3*RC10*D3*TL42 Φ0.6	



IMES ICORE-350i Glass Ceramic Bur
Glass ceramic milling burs

T1 R1.25*RC15*D6*TL50 Φ2.5	T2 R0.5*RC10*D6*TL40 Φ1.0
T3 R0.3*RC10*D6*TL40 Φ0.6	



IMES ICORE-250i Zirconia Bur
Zirconia milling burs

T1 R1.25*RC15*D3*TL42 Φ2.5	T2 R0.5*RC10*D3*TL42 Φ1.0
T3 R0.3*RC10*D3*TL42 Φ0.6	



IMES ICORE-350i Zirconia Bur
Zirconia milling burs

T1 R1.25*RC20*D6*TL50 Φ2.5	T2 R0.5*RC16*D6*TL50 Φ1.0
T3 R0.3*RC10*D6*TL50 Φ0.6	



IMES ICORE-350i Metal Bur
Metal milling

T1 R1.5*RC15*D6*TL50 Φ3.0	T2 R1.0*RC12*D6*TL50 Φ2.0
T3 R0.75*RC10*D6*TL50 Φ1.5	T4 R0.5*RC10*D6*TL50 Φ1.0
T5 1.5*RC14*D6*TL50 Φ1.5	T6 0.5*RC3*D6*TL50 Φ0.5
T7 1.0*RC5*D6*TL50 Φ1.0	T8 2.0*RC7*D6*TL50 Φ2.0

UP3D / Roland / ARUM



UP3D Zirconia Bur
Zirconia milling burs

T1 R1.0*RC16*D4*TL50 Φ2.0	T2 R0.5*RC16*D4*TL50 Φ1.0
T3 R0.4*RC16*D4*TL50 Φ1.5	R0.3*RC8*D4*TL50 Φ0.6
R0.15*RC8*D4*TL50 Φ0.3	



UP3D Glass Ceramic Bur
Glass ceramic milling burs

T1 R1.25*RC15*D4*TL40 Φ2.5	T2 R0.5*RC10*D4*TL40 Φ1.0
T3 R0.3*RC10*D4*TL40 Φ0.6	



Roland Zirconia Bur
Zirconia milling burs

T1 R1.0*RC16*D4*TL50 Φ2.0	T2 R0.5*RC16*D4*TL50 Φ1.0
T3 R0.3*RC8*D4*TL50 Φ0.6	R1.0*RC22*D4*TL50 Φ2.0 Extended
R0.5*RC20*D4*TL50 Φ1.0 Extended	



Roland-4W Glass Ceramic Bur
Glass ceramic milling burs

T1 R1.25*RC15*D3*TL40 Φ2.5	T2 R0.5*RC6*D3*TL40 Φ1.0
T3 R0.3*RC10*D3*TL40 Φ0.6	



ARUM Metal Bur
Metal milling burs

T1 R1.5*RC18*D6*TL50 Φ3.0	T2 R1.0*RC12*D6*TL50 Φ2.0
T3 R0.75*RC12*D6*TL50 Φ1.5	T4 R0.5*RC8*D6*TL50 Φ1.0



ARUM Zirconia Bur
Zirconia milling burs

T1 R1.0*RC16*D4*TL50 Φ2.0	T2 R0.5*RC16*D4*TL50 Φ1.0
T3 R0.3*RC10*D4*TL50 Φ0.6	

Mainstream Equipment
Dedicated bur series for all mainstream CAD/CAM milling systems

Material Groups
Zirconia · Metal · Glass Ceramic · PMMA · Resin · Wax

Export Ready
Fast after-sales response; selection and customization support for dental workshops worldwide

VHF / BSM



VHF-N4 / Kemei Glass Ceramic Bur
Glass ceramic milling burs

T1 R1.2*RC15*D3*TL35 Φ2.4	T2 R0.5*RC8*D3*TL35 Φ1.0
T3 R0.3*RC8.6*D3*TL35 Φ0.6	



BSM-D6 Glass Ceramic Bur
Glass ceramic milling burs

T1 R1.25*RC15*D6*TL40 Φ2.5	T2 R0.5*RC10*D6*TL40 Φ1.0
T3 R0.3*RC10*D6*TL40 Φ0.6	



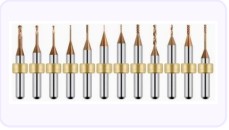
BSM Zirconia Bur
Zirconia milling burs

T1 R1*RC16*D4*TL50 Φ2.0	T2 R0.5*RC16*D4*TL50 Φ1.0
T3 R0.3*RC10*D4*TL50 Φ0.6	



BSM-D6 Zirconia Bur
Zirconia milling burs

T1 R1.0*RC16*D6*TL50 Φ2.0	T2 R0.5*RC16*D6*TL50 Φ1.0
T3 R0.3*RC10*D6*TL50 Φ0.6	



BSM Metal Bur
Metal milling burs

T1 R1.5*RC15*D6*TL50 Φ3.0	T2 R1.0*RC12*D6*TL50 Φ2.0
T3 R0.5*RC10*D6*TL50 Φ1.0	T4 1.5*RC14*D6*TL50 Φ1.5
T5 0.5*RC3*D6*TL50 Φ0.5	T6 1.0*RC5*D6*TL50 Φ1.0
T7 2.0*RC7*D6*TL50 Φ2.0	T8 2.2*RC18*D6*TL50 Φ2.2
T9 1.5*RC13*D6*TL50 Φ1.5	T10 2.0R0.2*RC5*D6*TL50 Φ2.0
T11 1.5R0.1*RC14*D6*TL50 Φ1.5	

Yenadent



Yenadent Zirconia Bur
Zirconia milling burs

T1 R1.0*RC16*D4*TL45 Φ2.0	T2 R0.5*RC16*D4*TL45 Φ1.0
T3 R0.3*RC8*D4*TL45 Φ0.6	



Yenadent Glass Ceramic Bur
Glass ceramic milling burs

T1 R1.0*RC16*D4*TL45 Φ2.0	T2 R0.5*RC16*D4*TL45 Φ1.0
T3 R0.3*RC8*D4*TL45 Φ0.6	



Yenadent Metal Bur
Metal milling burs

T1 R1.5*RC15*D4*TL50 Φ3.0	T2 R1.0*RC12*D4*TL50 Φ2.0
T3 R0.75*RC10*D4*TL50 Φ1.5	

Zirkonzahn / Ideal



Zirkonzahn-M5 Zirconia Bur
Zirconia milling burs

T1 R1.0*RC18*D3*TL57 Φ2.0	T2 R0.75*RC16*D3*TL57 Φ1.5
T3 R0.5*RC16*D3*TL57 Φ1.0	R0.3*RC10*D3*TL57 Φ0.6
R0.25*RC6*D3*TL57 Φ0.5	



Zirkonzahn-M1 Zirconia Bur
Zirconia milling burs

T1 R1.0*RC16*D6*TL50 Φ2.0	T2 R0.5*RC16*D6*TL50 Φ1.0
T3 R0.3*RC10*D6*TL50 Φ0.6	R0.25*RC6*D6*TL50 Φ0.5



Zirkonzahn Metal Bur
Metal milling burs

T1 R1.5*RC16*D6*TL50 Φ3.0	T2 R1.0*RC16*D6*TL50 Φ2.0
T3 R0.5*RC10*D6*TL50 Φ1.0	



Ideal Metal Bur
Metal milling burs

T1 R1.25*RC16*D4*TL50 Φ2.5	T2 R0.75*RC13*D4*TL50 Φ1.5
T3 R0.5*RC13*D4*TL50 Φ1.0	



Ideal Zirconia Bur
Zirconia milling burs

T1 R1.0*RC16*D4*TL50 Φ2.0	T2 R0.75*RC16*D4*TL50 Φ1.5 Flat
T3 R0.5*RC16*D4*TL50 Φ1.0	R0.5*RC16*D4*TL50 Φ1.0
T4 R0.3*RC10*D4*TL50 Φ0.3	



Ideal Glass Ceramic Bur
Glass ceramic milling burs

T1 R1.0*RC15*D4*TL45 Φ2.0	T2 R0.5*RC12*D4*TL45 Φ1.0
T3 R0.3*RC12*D4*TL45 Φ0.6	

Mainstream Equipment
Dedicated bur series for all mainstream CAD/CAM milling systems

Material Groups
Zirconia · Metal · Glass Ceramic · PMMA · Resin · Wax

Export Ready
Fast after-sales response; selection and customization support for dental workshops worldwide

TECHNOLOGY & QUALITY ASSURANCE

Materials, Process · Certifications & Patents



Zirconia Milling Burs

A dedicated diamond coating creates a dense, smoother tool surface, helping to reduce chipping and improve surface quality for more stable machining and complete edges.

Metal Milling Burs

Built on ultrafine-grain premium carbide with high rigidity and wear resistance, combined with Al-Cr-based/Si-based coating technology to raise surface hardness and heat resistance for more stable machining and longer life.

Glass Ceramic Burs

Dedicated diamond grit grinding with strong cutting force balances machining efficiency and edge quality, making glass ceramic production faster and more reliable.

PMMA Milling Burs

A low-friction DLC coating, sharp edge design and enlarged chip evacuation space deliver light cutting, smooth chip flow and effective resistance to sticking and clogging, safeguarding machining quality.

CERTIFICATIONS & PATENTS

Purdenti focuses on dental bur selection, R&D and global supply, and maintains a complete end-to-end quality control standard. We select qualified manufacturing bases for joint production: our partner bases hold national invention patents and utility model patents, are certified to ISO 9001 quality management system, and are qualified as High-Tech Enterprise, Enterprise Technology Center, and Engineering Technology R&D Center for High-Efficiency Hard Precision Cutting Tools. With consistent quality standards and continuously iterated technology innovation, we serve dental production customers worldwide.



Invention Patent
High-speed single-flute ball-nose milling bur

Utility Model Patent
High-precision shank-positioned tool; special-profile burs for multiple clamping systems

ISO 9001
Quality management system certified; fully traceable process

End-to-End QA
Rod · Machining · Coating · Inspection · Dispatch, controlled at every stage

Global Equipment Systems
Covers mainstream CAD/CAM machining machines

Full Material Range
Zirconia / PMMA / Metal / Glass Ceramic