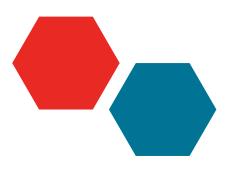




LAB PRODUCT CATALOGUE













Trufeta ® Vp100 Pro

SLM Technology 3D Metal Printer Versatile Printer 100 Pro





Dual mode machine for easy powder switching

VERSATILE PRINTER 100 PRO (VP100 PRO)

Building Volume	Ф120mm, z=70mm
Layer Thickness	20-50 μm
Scanning Speed	15m/s(max)
Productivity	130copings/4-5 hours
	10RPD frames/3.5-4 hours
Laser Type	Yb-fiber laser, 200W/300W
Laser Beam Diameter	40~60 μm
Power	AC220V, 12A
	2.5KW
Shielding Gas	Argon/Nitrogen
Machine Dimension	900*680*1760mm
Weight	480kg
Operating Temperature	18~30 ℃
Materials	CoCr, Ti, TC4
Applicable Products	Copings, RPD frames, implant bar surgical guide, orthodontic appliance etc.

DEDICATED DENTAL METAL 3D PRINTER

- Dual-mode printer supports Cobalt-Chromium and Titanium, and the switching time is only 45 minutes;
- Easy to start with Cobalt-Chromium mode and be able to upgrade to dual-mode later on;
- Equipped with glove box and built-in cleaner to implement closed powder cleaning and to avoid harmful dust;
- High printing quality for RPD frames, copings, post & core, surgical guide, orthodontic appliance etc;
- Proved stability in domestic and global market.

ONE-STOP SOLUTION PACKAGE

- The one-stop solution package includes design software, slicing software, furnace, automatic screening cabinet and nitrogen generator;
- Our solution achieves synergy effects for better quality and efficiency.



CUSTOMER VALUE



- Designed for small-middle scale dental labs, and greatly supports all scale labs which require frequent powder switching;
- Compact machine, requires minimum facility area, and easy to transport through elevator;
- ◆ One dual-mode printer serves the purpose of two machines;
- ◆ Closed powder cleaning function is designed for better HSE.



Profeta® IE 150

Intelligent and Expert Efficient

SINGLE LASER



Single lasers for CoCr or Ti

INTELLIGENT & EXPERT PRINTER (IE150)

Building Volume	Ф158 mm, z=70 mm
Layer Thickness	20-50 μm
Scanning Speed	15m/s(max)
Productivity	220 copings/3.5-4.5 hours
	15 RPD frames/3-3.5 hours
Laser Type	Yb-fiber laser*2, 200W/300W
Laser Beam Diameter	40~60 μm
Power	AC220V, 16A
	3.5 KW
Shielding Gas	Argon/Nitrogen
Machine Dimension	1070*670*1750 mm
Weight	500 kg
Operating Temperature	18~30 ℃
Materials	CoCr, Ti, TC4
Applicable Products	Copings, RPD frames, implant bar, surgical guide, orthodontic appliance etc.

DEDICATED DENTAL METAL 3D PRINTER



- Equipped with dual lasers for faster printing speed;
- ◆ Larger building volume (Φ158 mm, z=70 mm) for higher production
- Higher powder utilization
- ◆ Support two printing layer thickness (20-50µm);
- Proved stability in domestic and global market.

ONE-STOP SOLUTION PACKAGE

- The one-stop solution package includes design software, slicing software, furnace and nitrogen generator;
- Our solution achieves synergy effects for better quality and efficiency.



CUSTOMER VALUE



- Designed for all scale dental labs
- ◆ Higher powder utilization, lower production cost per unit;
- Proved machine stability.



C150

Dedicated Dental Metal 3D Printer



SINGLE LASER FOR CoCr

CLASSICAL DENTAL PRINTER (C150)

Building Volume	Ф158 mm, z=70 mm
Layer Thickness	20-50 μm
Scanning Speed	15m/s(max)
Productivity	220 copings/4-4.5 hours
	15 RPD frames/3.5-4 hours
Laser Type	Yb-fiber laser (Single/Dual) 300W/500W
Laser Beam Diameter	40~60 μm
Power	AC220V, 16A
	3.5 KW
Shielding Gas	Nitrogen
Machine Dimension	1070*670*1750 mm
Weight	500 kg
Operating Temperature	18~30 ℃
Materials	CoCr
Applicable Products	Copings, RPD frames, implant bar, surgical guide, orthodontic appliance etc.

DEDICATED DENTAL METAL 3D PRINTER



- Equipped with dual lasers for faster printing speed;
- ◆ Larger building volume (Φ158 mm, z=70 mm) for higher production
- Higher powder utilization
- ◆ Support two printing layer thickness (20-50µm);
- Proved stability in domestic and global market.

ONE-STOP SOLUTION PACKAGE

- The one-stop solution package includes design software, slicing software, furnace and nitrogen generator;
- Our solution achieves synergy effects for better quality and efficiency.



CUSTOMER VALUE



- Designed for all scale dental labs
- ◆ Higher powder utilization, lower production cost per unit;
- Proved machine stability.





Premium Dental Printer

High-Performance Compact Model





C120 with Auxiliary Equipment



Name	Sieving Machine
Purpose	Used for powder recycling and filtering out large metal particles generated during the printing process.
Power	220V, 50Hz, 50w
Weight	10kg
Machine Dimension	320*330*380mm



Name	Box-type Resistance Furnace
Purpose	Used for stress relief of 3D printed components.
Power	220V, 5kw
Weight	90kg
Internal Dimension	300*200*120mm
Maximum Temperature	1200℃



Name	Bandsaw
Purpose	Cut the printed part from the build plate.
Power	220V, 50Hz, 680w
Weight	15.5kg
Machine Dimension	610*340*410mm
Saw Band Size	1332*13*0.65mm



Name	Nitrogen Generator (Optional)
Purpose	To isolate oxygen during the printing process, prevent oxidation during laser melting, and ensure printing quality.
Power	220V, 50Hz, 50w
Weight	20kg
Machine Dimension	550*250*800mm
Nitrogen Output	10 L/min (adjustable)
Nitrogen Purity	99.99% (adjustable)



INTRAORAL SCANNER 3DS V3 PRO



Al Fast Scan



Metal Scan



Fashion & Light Handpiece



Perfect Integration with Design Software



Calibration Free Scanner



Humanized Scanner Tip



3D True Color



Scan body Smart Matching



Direct USB Connection

Comment.



Detachable C-Type Cable



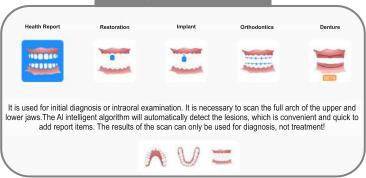


T gkem









Agkem Intraoral Scanner has fast and easy video visualization. which can provide reliable, accurate & complete data for digital dental impression. Providing patients with a comfortable & efficient treatment experience, our scanners make it easier for dentists to diagnose and communicate with patients.

PRODUCT SPECIFICATIONS

Real Color Scanning

Scanning Depth: 15mmScanner Weight: 210g

Scanner Light Source: Advanced LED

• Scanner Size: 240x49.5x30.5mm

• Imaging Mode: Synchronous 3D Video

• Smaller Scanner Tip Size: 80x16x11mm

• Direct Connect Plug & Play

· Calibration: No

• Operating Time: >30000hrs

• Remote Control Function: Yes

Data Optimization: Yes

• Export File: STL, PLY, OBJ

SCANNER TIP

- 3 Normal Scanner Tip + 1 Smaller Scanner Tip
- Normal Scanner Tip Size: 79x19.7x15.8mm
- Tip Sterilized: Sterilized for 100 Times
- · Control Loop Heating System



4-Axis Wet Dental Mill











Mill Titanium (only premilled abutments) *The optional attachment and milling burs are required.



Easy to Use



Remote Monitor

Specifications	
Millable material *1	Glass ceramics, Titanium alloy, Composite resins, PMMA, PEEK, Sintered zirconia
Loadable workpiece shape	Pin type (Width x depth x height): max. 40 x 20 x 20 mm (1.5 × 0.8 × 0.8 in.)
Operating speed	XYZ: 6 to 1,800 mm/min (0.24 to 70.9 in./min.)
Attachable milling bur	Shank diameter: 3 mm, dedicated milling bur
Compatible compressed air	0.18 to 0.22 Mpa
Spindle rotating speed	15,000 to 60,000 rpm
Rotary axis travel angle	A:±360°
Number of milling burs housed	6



5-Axis DRY Dental Mill





Built-in Temperature Sensor

Number of milling burs housed

15







User-Replacement Spindle



Specifications Zirconia, Wax, PMMA, Composite resin, PEEK, PEKK Gypsum, Millable Material Glass fibre re-inforced resin, CoCr sinter metal, Polycarbonate Step section: 98.5 mm (3.88 in.) (diameter), 10 ± 0.3 mm Disc-type $(0.39 \pm 0.01 \text{ in.})$ (height) Body section: 95 mm (3.74 in.) Loadable (with step) (diameter),60 mm (2.36 in.) max. (height) workpiece Shape Pin-type Pin diameter: 6 mm (0.24 in.) Operating speed X, Y: 3,000 mm/min (118.11 in./min) max., Z: 2,700 mm/min (106.29 in./min) max. Brushless DC Motor Spindle motor 6,000 to 30,000 Spindle rotating speed A:±360°, B: ±35° Rotary axis travel angle



5-Axis DRY Dental Mill DWX-52D Plus



Specifica	ations	
Millable Material		Zirconia, Wax, PMMA, Composite resin, PEEK, PEKK, Gypsum, Glass fiber reinforced resin, CoCr sinter metal, Polycarbonate
Loadable workpiece Shape	Disc-type (with step)	Step section: 98.5mm (3.88 in.) (diameter), Height 10mm (0.39 in.) Body section: 95 mm (3.74 in.) (diameter), Height max. 60 mm (2.36 in.)
Onape	Pin-type	Pin diameter: 6 mm (0.24 in.)
Operating s	peed	XYZ axis: 6 to 1800 mm/min. (0.24 to 70.9 in/min.)
Spindle mo	tor	Brushless DC Motor
Spindle rotating speed		6,000 to 30,000
Rotary axis travel angle		A:±360°, B: ±30°
Number of milling burs housed		15



5-Axis DRY Dental Mill

DWX-52Di Plus



Mill Up to 8 Pin-Type Blocks

90° 90° Milling Range









C-type Clamping System



Specifica	ations	
Millable ma	terial *1	Zirconia, Wax, PMMA, Composite resin, PEEK, PEKK Gypsum, Glass fibre re-inforced resin, CoCr sinter metal, Polycarbonate
Loadable workpiece	Disc-type (with step)	Step section: 98.5 mm (3.88 in.) (diameter), height 10 mm (0.39 in.) Body section: 95 mm (3.47 in.) (diameter), height max. 60 mm (2.36 in.)
Shape	Pin-type	Pin diameter: 6 mm (0.24 in.) "The optional pin-type material adapter ZV-52D is required.
Operating sp	eed	XYZ axis: 6 to 1800 mm/min. (0.24 to 70.9 in/min.)
Spindle moto	r	Brushless DC Motor
Spindle rotating speed		6,000 to 30,000
Rotary axis travel angle		A:±360°, B: ±30°
Number of milling burs housed		15

SHINING 3D DENTAL

AUTOSCAN-DS-EX PRO (H)



EMBRACE THE 5.0 MP ERA



ULTRA-HIGH ACCURACY

Scan accuracy ≤ 8 µm assures reliable scan result, satisfying the requirement of various applications in dental industry completely.



UNPARALLELED DETAILS

Equipped with dual 5.0 MP high resolution cameras, AutoScan-DS-EX Pro(H) can capture every detail of the components meticulously.



OUTSTANDING SCAN SPEED

Bite scan:7S, 1-4Dies/ 5-8Dies:18s/30s, Upper/ Lower jaw scan:14s, Impression scan:66s



FLEXIBLE WORKFLOW

Set up your own workflow as you prefer, increasing work efficiency like never before. all-in-one and triple tray are available to get complete scan data with less steps.

TECHNICAL SPECIFICATIONS

Camera Resolution	2*5.0 MP
Accuracy	8 μm
Scan Time	Bite scan: 6.5s; Upper/Lower jaw scan: 14s; 1~4 dies scan: 21.5s; 5~8 dies scan: 25.5s; Impression scan: 31s;
Articulator Scan	Support articulator transfer
Output Format	STL, PLY, OBJ
Light Source	Blue Light
Dimensions	420*260*270 mm
Weight	5.0 Kg
Interface	USB 3.0
Power Supply	DC 24V

SHINING 3D DENTAL

AUTOSCAN-DS-EX PRO (C)



User-friendly Structure

- Light weight and small footprint: only 5kg
- Open structure: easy to place different models

ALL IN ONE SCAN

2 STEPS











FASTER

Single jaw 12s, occlusion 8s; the entire process of scanning a separated model order is 2 minutes, and the entire process of an unseparated model order is 2.5 minutes



PORTABLE

Simplified shape, weight is only 5KG; open design, all-around scanning



COMPATIBLE

Export stl, obj, ply format, high compatibility with current open CAD dental design softwares in the market

HIGH EFFICIENCY, COLOR TEXTURE EASY FOR RPD DESIGN

2.4 MP
< 10µm
5 s for bite scan; 9.5 s for upper / lower jaw scan; 15 s for 1-4 dies scan; 17 s for 5-8 dies scan; 22 s for impression scan.
STL, OBJ, PLY
Blue Light
260*270*420mm
5kg
USB 3.0
DC 24V

exocad

DentalCAD 3.2 Elefsina

For Al services upgrade to the Feature Release now!

Available Packages For DentalCAD

Product		Core Lab Version	Advanced Lab Version	Implant Lab Version	Ultimate Lab Version
10	DentalCAD Core Version	②	©	②	②
	Virtual Articulator	Add-on	©	Ø	②
	Provisional Module	Add-on	•	Ø	⊘
	TruSmile	Add-on	Ø	②	Ø
A SOUTH	ZRS Tooth Library	Add-on	②	>	②
	Implant Module	Add-on	Add-on	⊗	②
	Bar Module ²	Add-on	Add-on	Ø	②
	DICOM Viewer	Add-on	Add-on	Ø	⊘
	Model Creator⁴	Add-on	Add-on	Add-on	Ø
220 B.C.	Smile Creators⁵	Add-on	Add-on	Add-on	•
	FullDenture Module	Add-on	Add-on	Add-on	Ø
	PartialCAD Module	Add-on	Add-on	Add-on	Ø
	Bite Splint Module	Add-on	Add-on	Add-on	Ø
W.	Jaw Motion Import ⁶	Add-on	Add-on	Add-on	Ø
	In-CAD Nesting	Add-on	Add-on	Add-on	Add-on
	Nesting (includes in-CAD Nesting)	Add-on	Add-on	Add-on	Add-on

X-MILL 500 PLUS MILLING MACHINE



A newly developed 5-axis automatic engraving and milling equipment. The high-sealing processing chamber has good dust-proof performance and wide applicability. It can process more materials and quickly cut hard materials such as PMMA/PEEK; it has stronger situational awareness and intelligent monitoring; the door opensand stops automatically, making it safe and worry-free. It is not only a change in appearance design, but also more intelligent, safer, wider applicability, and significantly improved performance.

- Outstanding Performance
- Intelligent monitoring
- Safe operating
- Speed processing for hard materials
- New appearance design





Name	X-mill 500 plus
Dimension	(L*W*H): 630*730*700(mm)
Net weight	Approximately 197 kg
Milling Range	XYZ:110/160/80mm A:±30° B:360°
Max. Speed	60,000 rpm
Input Voltage	Single Phase AC 220V
Axis Quantity	5
Milling Mode	Dry milling
Max feeding Speed	XYZ: 6000 mm/min
Bur Changing	Automatic
Bur capacity	8
Spindle Cooling	Water cooling
Materials	zirconia, wax, acril, alluminium , soft metal
Spindle Power	1.8 kw

500 SE MILLING MACHINE





Dimension	585X530X695(mm)	
Net weight	90 kg	
Milling Range	XYZ:170/120/85mm	
	A:±30° B:360°	
Max. Speed	60,000 rpm	
Input Voltage	AC 220V	
No. of Axis	5	
Milling Mode	Dry milling	
Max Feeding Speed	XYZ: 3000 mm/min	
Bur Changing	Automatic	
Bur capacity	6	
Spindle Cooling	Air cooling	
Materials	Zirconia, Wax, Acril, Alluminium,Soft metall	
Spindle Power	0.5 kw	

D5 Milling Machine

Dimension	732*520*666(mm)
Net weight	140 kg
Milling Range	XYZ: 151/100/107mm, A: 360° B: ±30°
Max. Speed	60,000 rpm
Input Voltage	AC 220V
No. of Axis	5
Milling Mode	Wet and dry
Max Feeding Speed	XYZ: 6000 mm/min
Bur Changing	Automatic
Bur capacity	10
Spindle Cooling	Air cooling
Materials	zirconia, premill-abutment, glass ceramic
Spindle Power	0.5 kw



600 Milling Center

1170x820x1830(mm)	
920kg	
XYZ: 320/130/150mm	
A: 360° B: ±40°	
60,000 rpm	
AC 220V	
5	
Wet milling	
XYZ: 6000mm/min	
Automatic	
12	
Water cooling	
CoCr/NEM, titanium,AI,acril, alluminium, soft metal al	
2.7kw	



630 Milling Center



Dimension	800X650X1750(mm)
Net weight	450kg
Milling Range	XYZ:240/180/140mm A: 360° B: ±30°
Max. Speed	60,000 rpm
Input Voltage	AC 220V
No. of Axis	5
Milling Mode	Wet milling
Max Feeding Speed	XYZ: 6000 mm/min
Bur Changing	Automatic
Bur capacity	24
Spindle Cooling	Water cooling
Materials	Titanium, PMMA, Wax, Glass ceramic, Premill abutment
Milling time	Glass ceramic: 17mins, Wax: 3mins, Premill abutment: 25mins
Spindle Power	2.5 kw

21



CHAMPION SINTERING FURNACES





Model: ZTCF-30B Plus-Fast Sintering

Fast Sinter : 65 mins (including heating, keeping warm, and cooling)

◆ Conventional sinter : 3 layers of crucible, 150 units

Max. Temperature : 1730°C
 Temperature control accuracy : ±1°C

◆ Touch Screen : 7 " TFT ◆ Max power consumption : 3 KW

◆ **Power Supply** : 220 V 50/60 HZ & 110 V

50/60 HZ

◆ Heating element : High purity heater specially

for dentistry

◆ Capacity : Ø 110 ×120 mm

Conventional sintering program : No.1
 Rapid sintering program : No.2
 Cleaning program : No.40

 Program
 : 40 programs can be stored, with power-off memory function

◆ Size (L*W*H) : 590*470*850 mm (L*W*H)

♦ Net weight : 85 KG

FAST SINTERING FURNACE

Denal Lab Equipment Can Sinter Zirconia Glass Ceramics And Glaze, it is a high-end sintering furnace, which can be used for sintering zirconia ceramics, glass ceramics and glazes.

Model: F2 Fast Sintering Furnace

Max. Temperature :1650°C
 Max. Heating Rate :100°C/Min

◆ Heating Element :Silicon Molybdenum Bar

Temperature Control accuracy :±1°C

◆ Temperature Controller
 ◆ :Separate touch screen,
 20-segment programmable

Very easy and simple operationOperation :Manual

Furnace's size :420*320*600mm (smaller & lighter)

Rated voltage :Interflow 220 VAC±20%

Rated Power : 2500w









CHAMPION PORCELAIN FURNACE





Porcelain Furnace temperature control is accurate, the internal temperature of the furnace is uniform, the automatic lifting tray design has good sealing performance, and it is equipped with a low-noise oilless vacuum pump. Porcelain Furnace is suitable for all kinds of ceramic powder on the market, such as SHOFU, IVOCLAR, VITA, NORITAKE, etc.

Model: ZTCF-20B, Ceramic Furnace with Vacuum Pump

 ♦ Max. Temperature
 : 1300°C

 ♦ Max. Vacuum
 : -98 Kpa

Heating wire : Long lifetime heating wire

♦ Heating rate : ≤140°C/min

♦ Temperature control

accuracy : ±1℃

OIL FREE/LOW NOISE AIR COMPRESSOR

Model: MEDI+Air-850

Noise : 55 dbTank : 40 L

Capacity: 156 L/Min
 V/Hz: 220V/50Hz
 Power: 850 W
 Weight: 31 kg

◆ Size : 440 x 440 x 570 L/Min

Pressure: 6-8 bar

◆ HP: 1.10



COMPRESSOR WITH DESICAANT AIRDRYER



Model: RP03

- Fitted with 12 cfm desicaant Air dryer and all standard Accessories.
- Available in 60 Liters tank size.
- ◆ Flow rate 300LPM Maximum Pressure 8 Bar
- ◆ Power 3HP 230V~50Hz (simultaneous on)

CHAMPION Equipments

CHAMPION SUCTION



Frequency	50Hz
Size	43.5*41*60cm
Negative Pressure	4.2 kpa
Flow Rate	212m³/h
Voltage	220V
Power	150W(Max)
Weight	30kg
Electric Current	AC 0.7A(Max)
Connect Machine	1 PCS

Details

- ◆ 130W Heavy-Duty Motor
- ◆ High Efficiency Filter Element
- ◆ High Quality Sponge
- Super Strong Wind Speed.

SILENT compactCAM



EXTRACTION UNIT FOR CAM SYSTEMS



Advantages

- Bi-directional communication between extraction unit and CAM unit thanks to the PLC interface.
- ◆ Low operating noise of max. 55 dB (A)
- 3x longer service life in comparison to conventional collector motors (1000 operating hours guaranteed).

Details

- No follow-up costs due to bag-free dust collection.
- Working without interruption due to uncomplicated motor change within minutes.







compact

Saturn 4 Ultra(16K)





Specification

- ★ XY Resolution: 14×19µm (15120 × 6230)
- ♦ Build Volume: 211.68 × 118.37 × 220 mm
- ◆ Smart Tank Heating at 30 °C
- ♦ High Speed with Tilt Release Technology
- ♦ Auto-Leveling, Plug-N-Play
- Upgraded AI Camera with Light for better Monitoring and Timelapse Recording
- ♦ 4.0-inch Capacitive Touch Screen
- ♦ MAX 150mm/h Printing Speed

Saturn 4 (12K)

Specification

- ♦ XY Resolution: 11520*5120 (19×24μm)
- ♦ Build Volume: 218.88×122.88×260 mm
- ♦ COB + Fresnel Collimating Lens
- ◆ Auto Leveling & Intelligent Mechanical Sensor
- ♦ User-Friendly Structure & Advanced Cooling System
- ♦ Large Print Size of 218.88×122.88×220 mm
- ♦ 3.5-inch Resistive Touch Screen
- ♦ 9H hardness tempered glass
- ♦ MAX 70mm/h Printing Speed



DUAL FUNCTION OF WASHING AND CURING



Specification

- ♦ 360° all-round exposure
- ◆ Large washing volume of 7000ml
- ♦ Easy and intuitive operation
- ♦ UV Protection Cover
- ♦ Mercury XS Wash Machine Size: 255mm*155mm*385.5mm
- ♦ Maximum Wash Volume (with platform)180mm*121mm*153mm (without platform)201mm*124mm*255mm
- ♦ Mercury XS Cure Machine Size: 246mm*230mm*363.5mm



Standard Photopolymer Beige & Grey Resin





Features

- ♦ Low Shrinkage and High Precision
- ♦ Fast Curing and Great Stability
- ♦ Bright and Stunning Colors

Specification

- ♦ Material: Polymer Resin
- ♦ Form: Liquid
- ◆ Compatible With: All LCD / MSLA / DLP 3D Printers
- ♦ Hardness: 84 D; Shrinkage: 7.1 %

Dental Castable UV Resin

Features

- ♦ High Precision
- ♦ Low contraction / viscosity
- ◆ Stable and fast healing

Specification

- ◆ Solidification by wavelength: 385 to 410 nm
- ◆ Density: 1.05 1.25 g/cm³;
- ◆ Shore hardness: 85 88 D;
- Viscosity (25°C): 50 170 mPa.s;



LAB BRUSHLESS MOTOR



DESKTOP TYPE STRONG TORQUE AT LOW SPEED VERTICAL / HORIZONTAL PLACEMENT



Model: Oz Black

 ◆ RPM
 : max 50,000 rpm

 ◆ Torque
 : 7.8 N. cm

 ◆ Input
 : 100-120, 220, 240V (50/60 Hz)

Output : 230V

Right & Left turning ability

Hand/Foot speed control system

Self-diagnosis, Error display, work memory

BEST TORQUE, BEST PRACTICAL

Model: Forte 400P

 ♦ RPM
 : 50,000 rpm

 ♦ Torque
 : 7.8 N. cm

- Brushless High Performance Handpiece
- Powerful Torque Type
- Overload Scanning System
- Simple-Easy Operation



LAB BRUSH MOTOR

NON STAGE SPEED SYSTEM WITH HIGH TORQUE UNIQUE DESIGN, HANDPIECE HOLDER



Model: Strong 210/105L

► RPM : max 40,000 rpm ► Torque : 3 N.cm with 105L

• Input : 100, 110/320, 240V (50/60 Hz)

◆ Output : DC0-32V

- Right & Left turning ability
- ◆ Foot speed control
- Foot speed pedal and foot on/off pedal option



BASIC MODEL, MINI-COMPACT DESIGN LESS VIBRATION STANDARD CARBON BRUSH MOTOR



Model: Strong 204C/102L

► RPM : max 40,000 rpm ► Torque : 2.8 N.cm

◆ Input : 100, 110/320, 240V

(50/60 Hz) : DC0-32V

Output :Right & Left turning ability

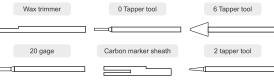
Foot on/off switch

SURVEYOR

MORE PRECISE WORK IS POSSIBLE WITH THE EXCLUSIVE HANDPIECE



- High quality precision instrument for milling, drilling setting attached models and tapping
- Smooth and micro-fit arm
- Surveyor holder using for Exclusive handpiece (Strong 102LSII)



LAB HAND PIECES





Model: Forte 100 CL III

♦ RPM : 50,000 **♦ Weight** : 254 g

◆ Dimensions: L-171, L1-81, L2-90, D-29, D1-19

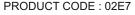


Model: Forte 100 IIP

◆ RPM : 50,000 **◆ Weight** : 225 g

◆ **Dimensions**: L-165, L1-81, L2-84, D-28, D1-19





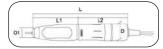


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Model: Strong 105L

◆ RPM : 40,000 **◆ Weight** : 190 g

◆ Dimensions: L-153, L1-80, L2-73, D-29, D1-15



Model: Strong 102L

♦ RPM : 40,000 **♦ Weight** : 200 g

◆ Dimensions: L-152, L1-79, L2-73, D-29, D1-15







Model: Strong 102LS II

♦ RPM : 40,000 **♦ Weight** : 200g

◆ **Dimensions**: L-152, L1-79, L2-73, D-29, D1-15



STAR ST WHITE ZIRCONIA



STAR ST HIGH STRENGTH AND TRANSCLUCENCY

- STAR ST blanks are made from biocompability zirconiumdioxyide.
- The yttrium oxide stabilizing projects the material against cracks and increase the tensile and compressive strength.
- The special grain size allocation inside the material and the added aluminum oxide also result in extra strength during milling and subsequently in clinical use.
- The outstanding mechanical characteristics, excellent chemical durability and the unbeaten biocompatibility.
- Combined with the translucent color predestine STAR ST as the ideal material provider for dental milling systems.



Translucency: 43%

Strength: 1250Mpa



Available in Sizes

ST 98 x 10mm ST 98 x 18mm

ST 98 x 12mm ST 98 x 20mm

ST 98 x 14mm ST 98 x 22mm

ST 98 x 16mm ST 98 x 25mm

Items	ISO10993 Standards Requirements	Test results
Cytotoxicity test	Cytotoxicity <=1	No cytotoxicity
Sensitization test	Sensitization test not allowed	No sensitization
Oral mucosa irritation test	Irritation not allowed	No stimulation
Acute systemic toxicity test	Sensitization not allowed	No acute oral toxicity
Genotoxicity test	Avirulent	AMES test: negative

STAR ST PRESHADED ZIRCONIA



STAR ST HIGH TRANSLUCENCY, APPLY TO ANTERIOR AND POSTERIOR TEETH, FULL CONTOUR AND ALL KINDS OF BRIDGES.

The ST High blank is non-toxic and non-radioactive with excellent biological properties, teeth color is like the real teeth with good permeability and aesthetics. It is with high strength, good toughness and excellent wear resistance, X-cera pre-shaded ST blanks is the raw material with excellent property for making crowns.



Indications : Veneers, anterior

crown/coping, bridge

◆ Shades : Shofu color Halo/Pro

Sintering curve : Room temprature→10°C/min to 900°C (preserve for 30min)

→3.5°C/min to 1530°C (preserve for 2h)→12°C/min to 800°C→ follow the furnace

cooling to room temperature

Translucency: 43%

Strength: 1250Mpa

Available in Sizes

ST 98 x 10mm ST 98 x 12mm

ST 98 x 14mm ST 98 x 16mm

ST 98 x 18mm ST 98 x 20mm

ST 98 x 22mm ST 98 x 25mm

Ordering Information:

STAR ST PRESHADED ZIRCONIA

A1	A2	A3	A3.5
A4	B1	B2	C1
C2	C3	D2	D3

Items	ISO10993 Standards Requirements	Test results
Cytotoxicity test	Cytotoxicity <=1	No cytotoxicity
Sensitization test	Sensitization test not allowed	No sensitization
Oral mucosa irritation test	Irritation not allowed	No stimulation
Acute systemic toxicity test	Sensitization not allowed	No acute oral toxicity
Genotoxicity test	Avirulent	AMES test: negative



STAR SHT MULTI LAYER ZIRCONIA BLANK

STAR SHT MULTI LAYER SUPER-HIGH TRANSLUCENCY, APPLY TO ANTERIOR

Available in Sizes

SHT MULTI LAYER 98 x 10mm

SHT MULTI LAYER 98 x 12mm

SHT MULTI LAYER 98 x 14mm

SHT MULTI LAYER 98 x 16mm

SHT MULTI LAYER 98 x 18mm

SHT MULTI LAYER 98 x 20mm



Ordering Information:

STAR SHT MULTI LAYER ZIRCONIA

A2 A3

Layer	Proportion	Vickers Hardness (HV)	Strenght (MPa)	Color	Translucency
Layer-1	30%			Shallow	
Layer-2	15%			1	
Layer-3	15%	≥1300	≥1050		49%
Layer-4	20%			V	
Layer-5	20%			Deep	









Projects	Detection Result
Sintering Density	_ ≤6.0g/cm³
Bending Strength	≤1050Mpa
Vickers Hardness	125HV
Chemical Solubility	≤100ug/m²

Regular providing pre-shaded blanks

A1 A2 A3 A3.5 B1 B2 B3













Indications













Full contour for anterior

Veneer

Full contour for posterior Coping

Inlay/Onlay

Crown bridge 5-7 units







Crown bridge full arch

Post& core

Telescope

Maryland bridge

GLASS CERAMIC



Star Glass Ceramic offers strong mechanical strength and durability, with high translucency, providing natural and lifelike esthetics.





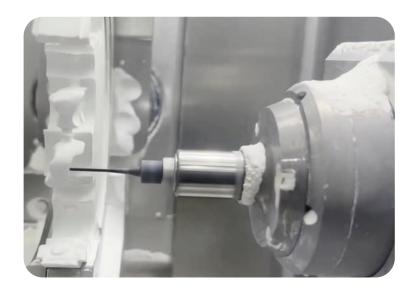




Transmittance:	НТ,LТ,МТ,МО
Transmittance:	Active concentration of uranium -238<,≤1.0Bq/g
Density after paritial crystallization:	2.3-2.6g/cm³
Density after complete crystallization:	2.4-2.7g/cm ³
Biaxial flexural strength:	≥300Mpa
Fracture toughness:	≥2Mpa.m¹/²
Expansion coefficient:	10.5±0.5
Vickers hardness:	≥550HV2
Chemical solubility:	<100ug/cm²

MILLING BUR





DC Bur For (ROLAND, VHF, ARUM, XT CERA) Milling Machine

ALSO AVAILABLE DLC BURS

Roland Milling Machine VHF Milling Machine (K3, K4) Arum Milling Machine XTCERA Milling Machine



BUR HEAD SIZE

◆ 0.6, 1, 2 mm Head

Features

- ◆ Exceptionally sharp edge, preventing chipping & cracks of teeth
- Compatible with Zirconia
- ◆ Long life span
- Minimum risk of bur cracking due to the high tenacity
- Precision Milling Performance
- ◆ Balanced for Vibration-Free Operation
- ◆ Reduced Tool Change Frequency





STAR POLVERE PREMIUM POWDER

Star Polvere Premium dental alloy powder with improved properties Higher printing Accuracy & Surface Finish, Ideal for microporous structures and complex meshes

Composition in percent by mass:		
TI	89%	
Al	6%	
V	4%	
N,C,H,Fe,O	<1%	

Packing: 5 kg Size: - 10-30 μm

STAR POLVERE POWDER

Star polvere is a CoCr dental alloy powder with improved properties for the production of dentures in the laser melting process

Composition in percent by mass:		
Со	63.9%	
Cr	24.7%	
W	5.4%	
Мо	5.0%	
Si	1.0%	

Packing: 5 kg Size: - 10-45 μm





Star Ceram Micro Bond

- Ultra-thin protective layer (0.01–0.02 mm)
- Prevents edge darkening (garland area)
- Ceramic-based: ensures strong bond with opaquer
- · Reusable casting cone
- · Insulates metal oxides during firing
- Suitable for CoCr frames & low-noble alloys

Packing: 15 gm

MESA MAGNUM CLARUM





One of the first produced by MESA

- Approved by technicians around the world for over 35 years
- Ease of casting
- Excellent polishing and compactness
- Very high compatibility with various aesthetic coatings

Composition in %:

Nickel (Ni) 63% Chrome (Cr) 25% Molybdenum (Mo) 9% Silicon (Si) 2%

MESA-MAGNUM CERAMIC S

One of the first produced by MESA

- Approved by technicians around the world for over 35 years
- ◆ Excellent mechanical properties
- Excellent polishing and compactness
- High compatibility with various aesthetic coatings

Composition in %:

Nickel (Ni) 65% Chrome (Cr) 24% Molybdenum (Mo) 10% Silicon (Si) 1%







STARBOND + without BERYLIUM

NICKEL BASED DENTAL ALLOY FOR CERAMIC

Composition				
Ni	Cr	Мо	Si	other
64	24	10	1.5	0.5

STARBOND NB

with BERYLIUM

STARBOND NB

Composition

Ni 76%

Cr 15%

Mo 5%

Be 1.7%

Al 2%

other 3% Max

A High Strength Nickel chrome with Berylium Alloy for Superior Bond Strength



INVESTMENT MATERIALS





SUNVEST

Dental Investment Material for Crown & Bridge

Net Weight:

400g / Pouche

Carton Contains:

30 Pouche & 3 Itr Liquid

Mixture Ratio

Powder: Liquid 100 gm 24-25 ml

STARVEST

Dental Investment Material for Partial Denture

Net Weight:

400g / Pouch

Carton Contains:

50 Pouches and 4 ltr Liquid

Mixture Ratio

Powder: Liquid 100 gm 22-23 ml



DENTROCK ULTRA HARD DIE STONE (TYPE-4)

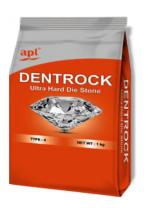


- Very low expansion
- Splintering resistant
- ◆ Excellent casting under vibration
- Abrasion resistant
- High compressive strength

Dent Rock is an extra hard stone with high compressive strength, recommended for making master models for fixed prostheses.

Packaging:

1 kg pack x 15 pcs.



SNOW ROCK ULTRA HARD DIE STONE (TYPE-4)





DIE STONE With Superior Quality

- ➤ Low setting expansion: 0.09%
- Glass-like accurate surface and beautiful color
- ➤ Excellent edge stability
- ➤ Available in color : Golden Brown, Green, Grey
- ➤ Packaging

(1.5 kg Alu. pack x 12) - 18 kg

DIE STONE EXTREME TYPE-4 (DIE STONE GOLD)



SPECIAL FORMULA FOR IMPLANT & CAD/CAM

Super precision innovative Nano Technique silky surfaces with brilliant color ultra hard strength

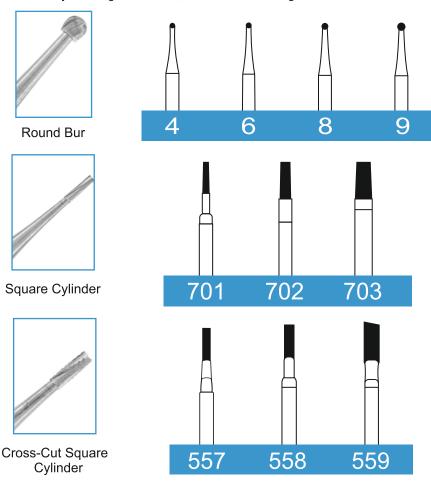
- ➤ Low setting expansion: 0.07%
- > Silky surfaces with brilliant color
- Good Scanablity & Extremely Low roughness
- ➤ Innovative Nano Technique
- ➤ Available in color : Golden Brown
- ➤ Packaging: (1.5 kg Alu. pack x 8) 12 kg



CARBIDE BURS



High quality tungsten carbide lab burs with rapid cutting and smooth trimming of porcelain castings high performing burs with exceptionally long lifetimes. These include the unique soldering technique of carbide till head to shank unlike other burs in market with Carbide head and steel shank In addition, we achieve perfect concentricity resulting in smoother, vibration-free running.





Compatibility: Smaller rotary tools. Shank diameter: 3mm(about 1/8"). Shank Length: 35mm. From right to left

direction of cutting uniform

movement, not like the use of wheel for

reciprocating cutting.

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CUTTING DISCS



SEPARATING AND GRINDING DISK FOR METAL AND CERAMIC WORKING.



CUTTING DISCS

- ◆ Non-Pollutant
- Absolutely heatless
- For precise cutting of ceramics and precious alloy.
- ◆ Medium fine grit size

Available Size:

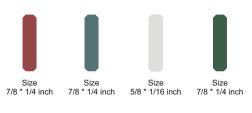
Cutting Discs (D32 x 2.2 mm), (D38 x 0.7 mm), (D38 x 1.0 mm) Packing:100 pcs/box

ARGON WHEELS & POINTS





Packaging: 100 pcs box Suggested Speed:30,000 rpm



- ◆ For polishing of semi precious alloys & metals of silicone carbide.
- ◆ For Pre-refing, Polishing, Smoothing
- Suitable for Chrome-Cobalt Alloy, semi-precious & titanium alloys

SHOFU MACHINES





Model: Dental Procelain Furnace

Double vacuum operation

Crystallization

◆ Tempering over zirconia

♦ Auto vacuum calibration

Max. Temperature : 1200°C
 Max. firing temperature : 1180°C
 Temperature ramp. : 1 to 120°C

• Programs : 200

◆ Acoustic signal : ✓

Weight : 13.5 kg
 Width x Height x Depth (cm) : 23x57x24

◆ USB port connection : √◆ Acoustic signal : √

◆ Cylindrical firing chamber : 95mm x 65mm

Solidilite V, the new generation indirect light curing unit features a compact, user friendly, sturdy yet ergonomic design with an integrated fan and a protective soft start cure made to optimize efficient light polymerization of indirect composite such as CERAMAGE.

Model: Solidilite 250V

Dimensions : W 230mm x

D 252mm x H 354mm

♦ Weight: approx : 9.5 kg

◆ Supply voltage : 200 V-240 V, 50/60 Hz

♦ Fuse : 2 x 3.15 A time-lag

◆ Lamp : 4 JCR 110V 150 W

halogen lamps

◆ Spectral range : 400-550 mm

◆ Solidilite : 250 V









VINTAGE PRO BODY



Ordering Information:

VINTAGE HALO BODY 50g

A1B	A2B	АЗВ	A3.5B	A4B	B1B
B2B	взв	B4B	C1B	C2B	СЗВ
C4B	D2B	D3B	D4B	·	

VINTAGE HALO BODY 200g

A1B	A2B	АЗВ	A3.5B	A4B	B1B
B2B	взв	B4B			

VINTAGE PRO OPAQUE PASTE

Ordering Information:

VINTAGE PRO Opaque Paste 6g

Ва	se	A10	A20	A3O	A3.5O
A40	B10	B2O	B3O	B4O	C10
C2O	C3O	C40	D2O	D3O	D40



VINTAGE PRO BASE/SHADE OPAQUE POWDER

Ordering Information: VINTAGE PRO Paste

opaque 50g



Ва	se	A10	A2O	A3O	A3.50
A40	B10	B2O	B3O	B4O	C10
C2O	C3O	C40	D2O	D3O	D40

VINTAGE PRO INCISAL/STANDARD ENAMEL



 A layer of translucent powder is recommended to be used along with standard enamel to give a more natural appearance.

Ordering Information:

VINTAGE PRO Opal Enamel 50g and 200g

SHADE 57 58 59 60



VINTAGE PRO GUM



The PRO GUM porcelain offers an excellent range and armamentarium to best replicate gingival shades as close to the remaining natural gingival thus enhancing the overall aesthetics of the restoration.

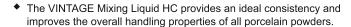
Ordering Information:

VINTAGE PRO ADD-ON 50g

SHADE LP DP

VINTAGE MIXING LIQUID HC

LIQUID SYSTEM



Ordering Information:

VINTAGE MIXING LIQUID HC



VINTAGE PRO POWDER OPAQUE LIQUID



The VINTAGE PRO Powder Opaque Liquid is a water based medium which improves the overall workability when mixed along with the PRO opaque powder while masking the Inner metal Coping.

Ordering Information:

VINTAGE PRO POWDER OPAQUE LIQUID

QTY 5	0 ML	500 ML
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VINTAGE HALO BODY





Ordering Information:

VINTAGE HALO BODY 50g

A1B	A2B	A3B	A3.5B	A4B	B1B
B2B	взв	B4B	C1B	C2B	СЗВ
C4B	D2B	D3B	D4B		

VINTAGE HALO BODY 200g

A1B	A2B	A3B	A3.5B	A4B	B1B
B2B	взв	B4B			

VINTAGE HALO INCISAL / STANDARD ENAMEL

Ordering Information:

VINTAGE HALO INCISAL / STANDARD ENAMEL 50g & 200g

SHADE 57 58 59 60





VINTAGE HALO OPAQUE LIQUID



The VINTAGE Halo Opaque Liquid is a water based medium which improves the overall workability when mixed along with the Halo opaque powder while masking the inner metal coping.

Ordering Information:

VINTAGE HALO OPAQUE LIQUID

VINTAGE HALO PAINT OPAQUE LIQUID



The VINTAGE Halo Paint Opaque Liquid is an oil based medium which creates an Ideal Paste like viscosity when mixed with Halo Opaque Powder thus enhancing the handling properties of the porcelain Powder.

Ordering Information:

VINTAGE HALO PAINT OPAQUE LIQUID

QTY 50 ML 350 ML



VINTAGE AL/ZR OPAQUE LINER LIQUID



The AL/ZR opaque liner liquid is used to adjust the viscosity of the ZR Opaque Liner paste aiding uniform application over the coping in thin layers.

Ordering Information:

VINTAGE AL/ZR OPAQUE LINER LIQUID

QTY 3 ML

VINTAGE MP BASE/SHADE OPAQUE PASTE

Ordering Information:

VINTAGE MP OPAQUE PASTE 5g

Base		A10	A20	A3O	A3.50
A40	B10	B2O	B3O	B4O	C10
C2O	C3O	C40	D2O	D3O	D40







VINTAGE ZR OPAQUE LINEAR PASTE

Ordering Information:

VINTAGE ZR OPAQUE LINER PASTE 5g

A10	A20	A3O	A3.5O	A40	B10
B2O	B3O	B4O	C10	C2O	C3O
C40	D2O	D3O	D40		



VINTAGE ZR BODY / ENAMEL



Ordering Information:

VINTAGE ZR BODY / ENAMEL 50g

A1B	A2B	АЗВ	A3.5B	A4B	B1B
B2B	взв	B4B	C1B	C2B	СЗВ
C4B	D2B	D3B	D4B		

SHADE	OPAL 56	OPAL 57
	OPAL 59	OPAL 60

VINTAGE ZR GUM

Ordering Information:

VINTAGE ZR GUM

AVAILABLE IN 15g

GUM DP - DARK PINK

GUM LP - LITE PINK



VINTAGE ART GLAZE PASTE



Ordering Information:

VINTAGE ART GLAZE PASTE 3g





VINTAGE ART SHADE STAINS



Ordering Information:

VINTAGE ART SHADE STAINS

- ◆ AS A Shade
- ♦ BS B Shade
- ◆ CS C Shade
- ◆ DS D Shade

VINTAGE ART BASE COLOUR STAINS

Ordering Information:

VINTAGE ART BASE COLOR STAINS 3g

	P - Pink	Y - Yellow	BL-Blue
	O - Orange	V - Violet	G- Green
Ī	B - Black	W - White	G - Gray





VINTAGE ART STAIN LIQUID



Ordering Information:

VINTAGE ART STAIN LIQUID

PACKAGING

50 ML

CERAMAGE POLISHING KIT





Packaging:

The Kit Contains:-

- ◆ Robot Carbide fissure bur HP
- Silicone Points HR2 each of 11. 13S
 2pc of 28
- ◆ SHOFU Pivot Brush x 1
- ◆ SHOFU Pivot Brush SC x 1
- ◆ SHOFU Mandrels x 2

CERAMAGE MODELLING LIQUID

Ordering Information:

VINTAGE MODELLING LIQUID

PACKAGING 6 ML PIN 1991



CERAMAGE SPACER AND SEP



Ordering Information:

CERAMAGE SPACER & SEP

PACKAGING	PIN
Spacer 7ml	1994
Separator 7ml	1993

CERAMAGE OXY BARRIER

Ordering Information:

CERAMAGE OXY-BARRIER

PACKAGING 10 ML

PIN 1992



CERAMAGE FLOWABLE





Available in 12 Shades:

F-OD A3	F-A3B	F-ROOTAB	F-59
F-T-GLASS	F-CT	F-BT	F-BR
F-W	F-GUM-BR	F-GUM-V	F-GUM-R

Ordering Information: CERAMAGE FLOWABLE

CERAMAGE GUM

Available in 3 types:

GUM - L : Lite Pink GUM - D : Dark Pink GUM - OR : Orange



Ordering Information: CERAMAGE GUM

VINTAGE SHADE GUIDE



Packaging:

Available as porcelain & resin type.

PROCELAIN BRUSHES

Ordering Information:

PORCELAIN BRUSHES

Packaging:

Porcelain Brush Set contains Brushes x 6 (No. OP0, No.P3, No.P5, No.P7, No.S0, No.S1)



REFILL BRUSHES ARE INDIVIDUALLY PACKED



Packaging:

No. P-5 No. OP-0 No. P-7 No. S1

No. P3

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MUMBAI OFFICE

412, 4th Floor Plot No.X21, MIDC Cross Road 21, Marol Industrial Area, Andheri East, Mumbai Mob.: 9870717217 E-Mail:sachinrodge@agkem.com

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Shade No 74, Sankalp insutrial state, Nr. S.P. Ring Road Nana Chiloda Ahmedabad-382330 Mob.:8000101128 E-Mail:ahmedabad@agkem.com

KOLKATA OFFICE

34A, Raja naba krishna street, Sovabazar, Kolkata-700005, Mob.:9874518136 E-Mail:sales.kolkata@agkem.com

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JAIPUR OFFICE

Shop no. 13-14 near Geetanjali Hotel Toll Tax, Tonk Road, Sanganer, Jaipur Ph. No.:0141 486 6081 Mob.:9571467111 E-Mail:deepak@agkem.com

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