everall7

4SHINE

A line of PREMIUM materials and tools
for processing and polishing

4SHINE

Properly processed and perfectly polished denture surface is a guarantee of patient safety and satisfaction. New technologies and solutions in dental prosthetics require innovative solutions materials and tools.

Responding to the growing needs of dental technicians regarding the highest quality materials and tools for making highly aesthetic dentures, Everall7's R&D department developed the 4Shine brand.

The 4Shine product line has been designed for excellent results during denture processing and polishing. 4Shine solutions are PREMIUM tools and materials which in a fast and ergonomic way helps to get a mirror-like surface.

4SHINE CUTTERS

CUTTERS FOR PROCESSING THERMOPLASTIC, ACRYLIC MATERIALS, STONES AND METALS

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4SHINE CUTTERS is a line of premium cutters made of fine-grained tungsten carbide with high hardness, designed for the needs of dental technicians in the field of acrylic and thermoplastic dentures, chrome dentures, metal crown and bridge frameworks, as well as stone processing. Each of the cutters was made on the most innovative Swiss CNC milling machines, and its quality was confirmed during rigorous and ultra-precise tests. This guarantees high concentricity accuracy and cutting efficiency.

CHARACTERISTICS

- Fine-grained carbide with high hardness
- Created on the most innovative CNC milling machines

ADVANTAGES

- High efficiency
- High concentricity precision
- Long lasting sharpness even if used intensively according to the recommended rpm

4SHINE CUTTERS

CUTTERS IDENTIFICATION

HEAD DIAMETER - 040 - 4mm

TYPE OF CUT - 190 - standard crosscut

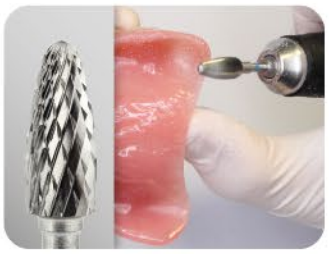
SHAPE - 273 - rounded cone

ISO standards indicating digital identification of carbide cutters:

PN-EN ISO 6360-1:2004 • PN-EN ISO 6360-2:2005 • PN-EN ISO 6360-3:2006

4SHINE AC CUTTERS

CROSSCUT CUTTERS FOR PROCESSING ACRYLIC RESINS



Opt. 10.000-20.000 RPM

AC cutter 274.190.060

A large parabolic cutter with standard cross cuts for initial processing of acrylic resins, e.g., after deflasking.

Opt. 10.000-20.000 RPM

AC cutter 277.190.060

Large elliptical cutter with standard cross cuts for processing and smoothing of the palatal surface of acrylic dentures.

Opt. 10.000-20.000 RPM

AC cutter 273.190.040

Medium rounded cone cutter with standard cross cuts for detailing and smoothing acrylic dentures.

Opt. 10.000-20.000 RPM

AC cutter 198.190.023

A small conical cutter with fine cross cuts for corrections that require accuracy.

4SHINE TC CUTTERS

CROSSWISE CUT CUTTERS FOR PROCESSING THERMOPLASTIC MATERIALS

Opt. 10.000-20.000 RPM

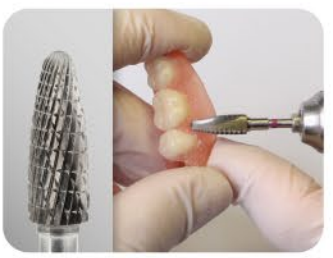
TC drill 408.298.016

Drill with special cuts for making retention canals in acrylic and composite teeth.

Opt. 10.000-20.000 RPM

TC cutter 274.134.060

Large parabolic cutter with fine cross cuts for initial processing of thermoplastic materials, e.g., injection channels and denture rims.



Opt. 15.000 RPM

TC cutter 274.134.050

Medium parabolic cutter with fine cross cuts for detailing and smoothing thermoplastic dentures.

Opt. 10.000 RPM

TC cutter 199.134.023

Small conical cutter with fine cross cuts for the correction of flexible dentures.

4SHINE SC CUTTERS

CROSSCUT CUTTERS FOR PROCESSING STONES

Opt. 8.000-12.000 RPM

SC cutter 274.220.060

Large parabolic cutter with thick cross cuts for processing dry dental stone models.

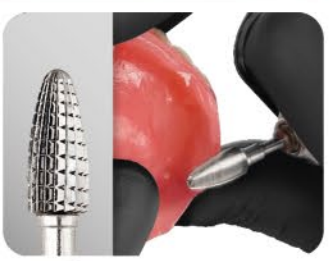
Opt. 8.000-12.000 RPM

SC cutter 274.223.060

Large parabolic cutter with extra-thick cross cuts for machining wet dental stone models.

4SHINE EC CUTTER

CUTTER WITH STRAIGHT CUTS FOR PROCESSING SOFT AND FLEXIBLE MATERIALS



Opt. 18.000-20.000 RPM

EC Cutter 274.176.060

Large parabolic cutter with very thick straight cuts and additional transverse cuts for processing soft and flexible materials.

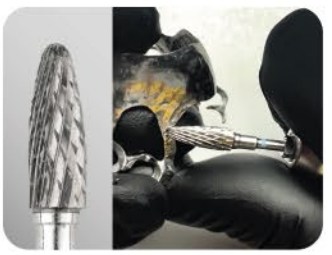
4SHINE MC CUTTERS

STANDARD CROSSWISE CUT CUTTERS FOR PRE-PROCESSING METAL ALLOY MATERIALS

Opt. 15.000-20.000 RPM

MC cutter 266.190.060

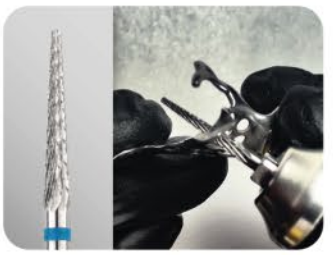
Large cone-shaped cutter with rounded head and standard cross cuts for pre-processing of metal alloy structures.



Opt. 15.000-20.000 RPM

MC cutter 274.190.050

Large parabolic-shaped cutter with standard cross cuts for pre-processing of metal alloy structures.



Opt. 15.000-20.000 RPM

MC cutter 175.190.023

Small cone-shaped cutter with flat head and standard cross cuts for pre-processing of metal alloy structures.

Opt. 15.000-20.000 RPM

MC cutter 141.190.023

Small cylindrical cutter with rounded head and standard cross cuts for pre-processing of metal alloy structures.

4SHINE MC CUTTERS

(SMOOTHING)

FINE CROSSWISE CUT CUTTERS FOR SURFACE PREPARATION OF METAL ALLOYS PRIOR TO POLISHING

Thanks to fine cross cuts, they allow for achieving a smoothed surface. They are ideal for preparing metal alloy surfaces for the polishing process. The use of smoothing cutters allows you to save money on the purchase of polishing rubbers.

Opt. 15.000-20.000 RPM

MC cutter 274.110.060

Large parabolic-shaped cutter with fine cross cuts for smoothing.

Opt. 15.000-20.000 RPM

MC cutter 200.110.040

Medium cone-shaped cutter with rounded head and fine cross cuts for smoothing.

Opt. 15.000-20.000 RPM

MC cutter 141.110.023

Small cylindrical cutter with rounded head and fine cross cuts for smoothing.

Opt. 15.000-20.000 RPM

MC cutter 175.110.023

Small tapered bur with flat head and fine cross cuts for smoothing.

Opt. 15.000-20.000 RPM

MC cutter 289.110.023

Small elliptical bur with fine cross cuts for smoothing.

4SHINE POLISHING POWDER

POLISHING POWDER
FOR THERMOPLASTIC AND ACRYLIC MATERIALS

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4SHINE POLISHING POWDER – the pre-polishing powder for acrylic resins and thermoplastic materials that is used in place of a dental pumice. The varied size and sharp contour of the grains allows easier and faster polishing to a high gloss without the need to use dental lab silicone rubbers The preservative used in the powder prevents the multiplication of bacteria and fungi during use to ensure greater comfort of work.

CHARACTERISTICS

- Varied size and sharp contour of grains
- Does not require prior use of silicone rubbers for pre-polishing
- Contains a bacterio- and fungostatic agent

ADVANTAGES

- Time saving during the pre-polishing process
- Easy to obtain a very high gloss by perfect preparation of the polished surface for final polishing
- Prevents the multiplication of bacteria and fungi during use

AVAILABLE IN TWO VARIANTS OF ABRASION:

4SHINE HARD

HIGHLY ABRASIVE

4SHINE REGULAR

MEDIUM ABRASIVE

4SHINE POLISHING PASTE

POLISHING PASTE IN STONE

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4SHINE POLISHING PASTE is a series of polishing pastes in stone intended for polishing thermoplastic materials, acrylic resins and metal alloys. Each of them has been designed to satisfy the most demanding dental industry professionals and actually increase efficiency in their daily work. Each of the pastes is characterized by a differentiated gradation of polishing and glazing agents, which allows for extreme leveling of the polished surface and giving it a mirror gloss. A specially selected binding agent ensures good adhesion of the paste to the polished surface surface, with the simultaneous ease of washing off the residue from the denture with a soft cloth brushes and warm water.

CHARACTERISTICS

- Varied gradation of polishing and glossing agents
- Specially selected binding agent
- Designed for all types of thermoplastics, acrylic materials and metal alloys

ADVANTAGES

- Mirror-like shine of the polished surface
- Good adhesion and easy cleaning of paste residues from the polished surface
- Effective and efficient use

4SHINE AC CUTTERS
CROSSCUT CUTTERS FOR PROCESSING ACRYLIC RESINS

TP4SAC01	**4Shine AC Cutter**	198.190.023
TP4SAC02	**4Shine AC Cutter**	273.190.040
TP4SAC03	**4Shine AC Cutter**	274.190.060
TP4SAC04	**4Shine AC Cutter**	277.190.060

4SHINE TC CUTTERS
CROSSWISE CUT CUTTERS FOR PROCESSING THERMOPLASTIC MATERIALS

TP4STC01	**4Shine TC Cutter**	199.134.023
TP4STC02	**4Shine TC Cutter**	274.134.050
TP4STC03	**4Shine TC Cutter**	274.134.060
TP4STC04	**4Shine TC DRILL**	408.298.016

4SHINE SC CUTTERS
CROSSCUT CUTTERS FOR PROCESSING STONES

TP4SSC01	**4Shine SC Cutter**	274.223.060
TP4SSC02	**4Shine SC Cutter**	274.220.060

4SHINE EC CUTTERS
FREZ O PROSTYCH NACIĘCIACH DO OBRÓBKI MATERIAŁÓW MIĘKKICH I ELASTYCZNYCH

TP4SEC01	**4Shine EC Cutter**	274.176.060

4SHINE MC CUTTERS
STANDARD CROSSWISE CUT CUTTERS FOR PRE-PROCESSING METAL ALLOY MATERIALS

TP4SMC01	**4Shine MC Cutter**	266.190.060
TP4SMC02	**4Shine MC Cutter**	274.190.050
TP4SMC03	**4Shine MC Cutter**	175.190.023
TP4SMC04	**4Shine MC Cutter**	141.190.023

4SHINE MC CUTTERS (SMOOTHING)
FINE CROSSWISE CUT CUTTERS FOR SURFACE PREPARATION OF METAL ALLOYS PRIOR TO POLISHING

TP4SMC05	**4Shine MC Cutter**	274.110.060
TP4SMC06	**4Shine MC Cutter**	200.110.040
TP4SMC07	**4Shine MC Cutter**	175.110.023
TP4SMC08	**4Shine MC Cutter**	141.110.023
TP4SMC09	**4Shine MC Cutter**	289.110.023

4SHINE POLISHING POWDER
PRE-POLISHING POWDER FOR ACRYLIC RESINS AND THERMOPLASTIC MATERIALS

TP4SPPH02	**4SHINE POLISHING POWDER HARD**	2 kg
TP4SPPH10	**4SHINE POLISHING POWDER HARD**	10 kg
TP4SPPR02	**4SHINE POLISHING POWDER REGULAR**	2 kg
TP4SPPR10	**4SHINE POLISHING POWDER REGULAR**	10 kg

4SHINE POLISHING PASTE
POLISHING PASTES FOR POLISHING THERMOPLASTIC MATERIALS, ACRYLIC RESINS AND METAL ALLOYS

TP4SPPA	**4SHINE POLISHING PASTE ACRYLIC**	250 g
TP4SPPM	**4SHINE POLISHING PASTE METAL**	250 g
TP4SPPT	**4SHINE POLISHING PASTE THERMOPLASTIC**	250 g

4SHINE Q&A

1. How to set the optimal RPM for 4Shine Cutters for a specific type of work?

- Information about the optimal RPM is included in the folder. These parameters are based on the experience of dental technicians cooperating with us.

2. What happens if I increase the RPM to the maximum capacity of my device (50.000 RPM or more) while using 4Shine Cutters?

- Above the recommended speed values (usually above 20.000 RPM), the cutter starts to slide on the processed surface, reducing the amount of cutting and removing chips of the processed material. Additionally, in extreme cases, pressure on the cutting part of the cutter, which has been set at too high speed, may result in its destruction (e.g. blunting or cracking).

3. How to increase the service life of 4Shine Cutters?

- Each of the cutters offered by Everall7 is designed for a specific type of material. The information part for each cutter contains information about the optimal number of rpm. Following the above suggestions and storing cutters cleanly in dry containers or racks intended for them will increase their service life. Avoiding mechanical damage also has a significant impact on the life of cutters.

4. What are the differences between the blades of 4Shine Cutters and what purposes are they used for? To put it simply, we can distinguish the following types of blades:

- Very thick, used for processing dental stones, investment materials and thermoplastic materials at low handpiece speeds.
- Coarse and Medium are blades that shear the workpiece and leave an even surface. They are intended for processing acrylics, thermoplastic materials, plastics and dental alloys.
- Fine blades smooth the surface of processed materials and are used to prepare the surface for polishing.

5. How to use 4Shine Polishing Powder?

- We use 4Shine polishing powder in the same way as classic pumice, mixing it with water. The regular version is intended for acrylic materials, and the hard version for thermoplastic materials.

6. What is the difference in polishing between the well-known pumice stone and 4Shine Polishing Powder?

- The most important thing is to distinguish two concepts: polishing and smoothing. Some materials are very easy to smooth using only a milling cutter. Others require the use of other additional tools or materials, e.g. polishing rubbers. 4Shine polishing powder is designed to polish without removing the modeling that has been done previously. Therefore, after working exclusively with pumice, you may become accustomed to a more abrasive pre-polishing. If you want to obtain similar abrasion during polishing, you should modify the pressure on the polished surface or smooth the surface more thoroughly before polishing (or possibly increase the speed of the polisher). Pre-polishing itself is intended to prepare the smooth surface so that high-gloss polishing takes as little time as possible.

7. Will the 4Shine Polishing powder polishing system with polishing paste allow you to polish dentures made of any material?

- In the case of the Villacryl material line (both acrylic and thermoplastic materials), it is possible to effectively achieve the desired gloss using only the 4Shine system. However, if you use other materials (e.g. from the Aplodent line), it may be necessary to use smoothing rubbers and/or coarse-grained Pumice 0.2 before using 4Shine polishing powder.

8. What are the differences between polishing pastes intended for different materials and can one be used for all materials?

- Each of the 4Shine polishing pastes has a specific grain thickness and a different type of abrasive material, adapted to the specific material being processed. Using one polishing paste for all materials will not achieve the optimal gloss that could be achieved using dedicated polishing materials. It should be remembered that in the era of increasing competition, it is small advantages that determine the choice of a dental laboratory by a dentist. That's why the 4Shine polishing system was created. It will allow the user to stand out from the competition with the quality of the prosthetic restorations created.

JUST SHINE WITH US!

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Trust the experience