

Zirtooth™ Instructions for Use

HS-IFU-701 Rev.08 (2015.08.12)

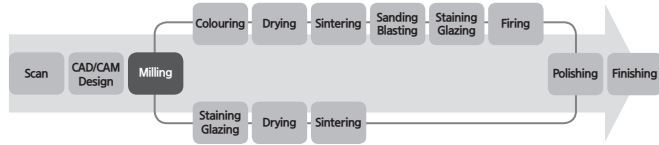
1. Overview

- Product Category : Ceramic Block
- Product Name : Zirtooth
- Intended Use of the Device : Dental zirconia block used with CAD/CAM milling machine to produce dental prosthesis such as Full Contour crowns or copings.
- Packaging Unit : Refer to HASS standard package.

2. Instructions for use

(1) Preparation for use

Check the defects of the product for any damage or crack before use.



(2) How to use and handle

- ① Attach the JIG on the accurate position.
- ② Load the block or disk in the CAD/CAM machine.
- ③ Select or input the block or disk size on the CAD/CAM Software.

- ④ Set the required calibration information for processing .
- ⑤ Process the blocks by CAD/CAM machines.
- ⑥ Unload the processed blocks from the machine.
- ⑦ Detach the processed restoration units from the blocks.
- ⑧ Sinter the milled restoration unit in the sintering Furnace. (follow furnace instruction)

(3) Storage and maintenance after use

- ① Store the remaining block after fully drying up.
- ② Keep the product out of reach of infants and children.
- ③ Store the products in the package or after packing, not to be damaged.
- ④ Do not drop the product on the ground or apply heavy force as it may damage the product.
- ⑤ Do not reuse or recycle the remaining part once used.

3. Cautions

- ① Please check cracks or fractures on the products before use.
- ② Be careful not to damage the milling tool of the CAD/CAM machine when attaching or detaching the product.
- ③ Be careful not to get your hand caught in the milling tool.
- ④ The jig should be attached to an accurate location.
- ⑤ Suppress or remove the dust which may occur during the operation of CAD/CAM machine.
- ⑥ Do not drop the product on the ground or apply heavy force as it may damage the product.
- ⑦ Keep the product out of reach of infants and children.

- ⑧ Product should be handled by dental technician

4. Storage and Maintenance

- ① Store the product at room temperature in a dry place.
- ② Pack and store the product properly to ensure that it is not damaged.
- ③ Store the product at temperatures ranging from 0°C ~ 40°C, in combination with relative humidity of 10% rH ~ 90% rH, under atmospheric pressures ranging from 500 hPa ~ 1060 hPa.

5. Mechanical and Physical Properties

- ① Biaxial Flexural Strength : 1420 MPa
- ② Chemical Solubility : 17.42 $\mu\text{g}/\text{cm}^2$
- ③ Flexural Strength after Low Temperature Aging Test : 1288 MPa
- ④ Phase Volume Fraction before and after Low Temperature Aging Test :
 - a) Before – 8.13%
 - b) After – 15.83%

* This is a single - use product. * Do not reuse.

6. Pictograph

	Do not reuse		Caution		Catalogue Number		Consult Instructions for Use
	Batch Code		Date of Manufacture		Do not use if package is damaged		
	Manufacturer		Authorized Representative in the European Community		Non Sterile		