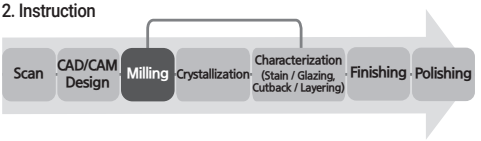
Amber® Mill Instructions for Use

1. Overview

· Trade / Device Name : Amber Mill
· CommonName : Dental Frame Material for Dental Prosthesis
· Intended Use of the Device : Amber Mill Series are indicated for fabricating glass ceramic restorations such as single-unit anterior and posterior crowns, veneers, inlays/onlays, and anterior 3-unit bridges using CAD/CAM system.
· Classification Name : Porcelain Powder for Clinical Use
· Packaging Unit : Refer to HASS standard package.

2. Instruction



(1) How to Use
This product must be used in accordance with the using methods of a dental CAD/CAM system.
* Procedure for using glass ceramic blocks *
① Attach the Jig to the accurate location.
② Mount it on the CAD/CAM equipment.
③ Inputs the size information of the prepared block into the CAD/CAM equipment.
④ Inputs correction information needed for processing.
⑤ Process the Block using the CAD/CAM equipment.
⑥ Carefully detach the process-completed block from the equipment.
⑦ Detach the processed artificial tooth or restoration from the block.
⑧ Artificial teeth or prosthetic separated by heat treatment at 810 ~ 865℃ makes crystallization.
⑨ If necessary, perform stain and glazing treatment.

(2) Storage and Maintenance before Use
① Do not store in package open or dirty place it may contaminate the products.
② Store away from moisture, direct sunlight, and heat.
③ Do not reuse or recycle the remaining part once used.

⚠ 3. Cautions

(1) Cautions before Use
① Be careful not to damage the milling tool of the CAD/CAM machine when attaching or detaching the product.
② Be careful not to get your hand caught in the milling tool.
③ The jig should be attaching to an accurate location.
④ Suppress or remove the dust which may occur during the operation of CAD/CAM machine.
⑤ Do not drop the product on the ground or apply heavy force as it may damage the product.
⑥ Keep the product out of reach of infants and children.
⑦ Product should be handled by dental technicians and dentists.

(2) Storage and Maintenance before Use
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℃ ~ 40℃, in combination with relative humidity of 10% r.H ~ 90% r.H, under atmospheric pressures ranging from 500 hPa ~ 1060 hPa.

4. Side effect

It the patient is known to be allergic to any of the components of Amber Mill, the material must not be used to fabricate restorations.

5. Contraindication

① Posterior bridges reaching into the molar region
② 4-and more-unit bridges
③ Inlay-retained bridges
④ Very deep sub gingival preparations
⑤ Bruxism
⑥ Cantilever bridges / extension units
⑦ Maryland bridges
⑧ Any other use not listed in the indications

6. Mechanical and Physical Properties

① Material : Glass-ceramics
② Flexural Strength : over 300 MPa
③ Chemical Solubility : below 100 $\mu g/cm^2$
④ Coefficient of Thermal Expansion : 10.0 (±0.5) x $10^{-6} K^{-1}$
* This is a single-use product. * Do not reuse.

7. Pictograph

	Do not reuse		Caution	REF	Catalogue Number
	Consult Instructions for Use	LOT	Batch Code		Date of Manufacture
	Do not use if package is damaged		Manufacturer	EC REP	Authorized Representative in the European Community
	Non Sterile	Rx only	CAUTION: US Federal restricts this device prescription only	CE 2195	CE Marking
	Keep away from sunlight				

CE 2195

EC REP KTR Europe GmbH
Mergenthalerallee 77, 65760 Eschborn, Germany

HASS Corporation
77-14, Gwahakdanji-ro, Gangneung-si, Gangwon-do, KOREA 25452
Tel: +82-70-7712-1300 / Fax: +82-33-644-1231
Customer Support : +82-2-2083-1367
E-mail : hasscorp@hassbio.com
Website : www.hassbio.com

HASS | Human-Aid System Supplier

Amber® Mill Recommended Toughening Heat-treatment Schedule

It is possible to differentiate translucency with a single block of Amber® Mill. Just decide what shade you will use, then choose the toughening heat-treatment temperature according to your targeted translucency. This will enhance the efficiency in work process and inventory management for CAD/CAM milling blocks.

VITA VACUMAT

Predry ℃	→ min.	↗ min.		↗ ℃ / min.	T ℃		→ min.	VAC min.		↘ ℃ *
400	3.00	HT	6.50	60	HT	815	15.00	HT	21.50	690
		MT	7.05		MT	825		MT	22.05	
		LT	7.20		LT	840		LT	22.20	
		MO	7.40		MO	860		MO	22.40	

* The firing chamber must not be opened during long term cooling.

VACUMAT is a registered trademark of VITA.

IVOCLAR VIVADENT PROGRAMAT CS

B ℃	S min.	t↗ ℃ / min.	T ℃		H min.	VAC. 1 ℃ / VAC. 2 ℃		L ℃	tL*
400	3.00	60	HT	815	15.00	HT	550/815	690	0
			MT	825		MT	550/825		
			LT	840		LT	550/840		
			MO	860		MO	550/860		

* The firing chamber must not be opened during long term cooling.

PROGRAMAT CS is a registered trademark of IVOCLAR VIVADENT.

DEKEMA Austromat 624i

	HT			MT			LT(31:10)			MO		
Dry			–:–			–:–			–:–			–:–
Close			02:00			02:00			02:00			02:00
Preheat	450°C		01:00	450°C		01:00	450°C		01:00	450°C		01:00
Temperature 1	830°C	60°C /min	15:00	840°C	60°C /min	15:00	855°C	60°C /min	15:00	875°C	60°C /min	15:00
Temperature 2	690°C	60°C /min	–:–	690°C	60°C /min	–:–	690°C	60°C /min	–:–	690°C	60°C /min	–:–
Temperature 3	__°C	__°C/ min	–:–	__°C	__°C/ min	–:–	__°C	__°C/ min	–:–	__°C	__°C/ min	–:–
VAC (off/level/hold)	830°C	100%	15:00	840°C	100%	15:00	855°C	100%	15:00	875°C	100%	15:00

* The firing chamber must not be opened during long term cooling.

Austromat 624i is a registered trademark of DEKEMA.