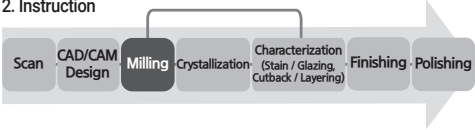


1. Overview

- Trade / Device Name : Amber Mill
- Common Name : 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

If 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 µg/cm²
 - ④ Coefficient of Thermal Expansion : 10.0 (±0.5) x 10⁻⁶ K⁻¹
- * This is a single-use product. * Do not reuse.

7. Photograph

	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		CAUTION: US Federal restricts this device prescription only		CE Marking
	Keep away from sunlight				

CE2195

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Please Make Sure to Check the Furnace Before Using the Amber Mill
The firing parameters provided in this document are reference example used to evaluate the performance of Amber® Mill. Actual results may vary depending on your clinical environment and the condition of your furnace. We strongly recommend verifying and optimizing the settings for each individual furnace prior to use.

NEW 1. When using the furnace for the first time or applying a new furnace:

Each furnace has different heat distribution characteristics. Pre-verification procedures are mandatory before applying the given firing parameters directly.
Please use a temperature verification tool such as a Calibration Kit to confirm temperature accuracy inside the furnace.

2. When using multiple furnaces at the same location:
Even within the same location, temperature variations may occur between different furnaces. Please ensure separate verification and setup for each unit.

3. Periodic calibration is recommended:
To maintain consistent condition, perform periodic calibration and verification using tools such as Calibration Kit.(heat emission characteristics of furnaces may change over time)
Recommended frequency: At least once every 6 months.

⚠ The firing schedule provided here is not an absolute standard applicable for any equipment or environment. Users should check and adjust the conditions to suit their own operating environment.

Product Usage Guidelines

- Follow the User Manual
 - Amber® Mill products must be used in accordance with the user manual provided with the product.
 - HASS shall not be liable for any results arising from improper use or operation under inappropriate equipment conditions.
- Pre-use Environment and Equipment Inspection
 - Prior to use, verify that this product is suitable for your facility's environment and equipment.
 - Prior to use, perform temperature verification and optimization of each furnace.
 - Use a Calibration Kit or similar tool to measure temperature and perform calibration procedures as necessary.
- Possibility of Performance Deviations
 - Amber® Mill performance may vary depending on furnace or environmental conditions.
 - HASS shall not be liable for any damages or quality degradation resulting therefrom.
- Scope of Liability
 - Within the limits permitted by law, HASS shall not be liable for indirect damages, business losses, third-party claims for compensation or other damages exceeding the product price.
 - Liability for damages arising from negligence shall be limited to the amount of damages actually incurred by the customer, provided that such damages are not intentional or grossly negligent.
 - Claims for compensation for damages related to negligence shall only be valid if intentional or gross negligence is proven.
- Firing Conditions
 - Firing conditions listed in this document are examples for reference only.
 - Firing conditions suitable for the actual usage environment must be reviewed and set separately by the user.

VITA VACUMAT

VACUMAT is a registered trademark of VITA.

Predry ℃	→ min.	↗ min.		↗ ℃ / min.	T ℃		→ min.	VAC min.		↘ ℃ *
430	6:00	HT+	6:50	60	HT+	840	15:00	HT+	21:50	690
		HT	7:00		HT	850		HT	22:00	
		MT	7:05		MT	855		MT	22:05	
		LT	7:10		LT	860		LT	22:10	
		MO	7:20		MO	870		MO	22:20	

IVOCLAR VIVADENT PROGRAMAT CS

PROGRAMAT CS is a registered trademark of IVOCLAR VIVADENT.

B ℃	S min.	t ℃/min.	T ℃		H min.	VAC. 1/ VAC. 2 ℃		L ℃	tl*
430	6:00	60	HT ⁺	840	15:00	HT ⁺	550/840	690	0
			HT	850		HT	550/850		
			MT	855		MT	550/855		
			LT	860		LT	550/860		
			MO	870		MO	550/870		

DEKEMA Austromat 654 / 624i

Austromat 654 / 624i is a registered trademark of DEKEMA.

	HT+			HT			MT			LT			MO		
Dry			—:—			—:—			—:—			—:—			—:—
Close			06:00			06:00			06:00			06:00			06:00
Preheat/℃			00:00			00:00			00:00			00:00			00:00
Tem.1/℃	430		15:00	840	60/min	15:00	850	60/min	15:00	855	60/min	15:00	860	60/min	15:00
Tem.2/℃	690	60/min	—:—	690	60/min	—:—	690	60/min	—:—	690	60/min	—:—	690	60/min	—:—
Tem.3/℃	—	— /min	—:—	—	— /min	—:—	—	— /min	—:—	—	— /min	—:—	—	— /min	—:—
VAC (off/level/hold)	840	100%	15:00	850	100%	15:00	855	100%	15:00	860	100%	15:00	870	100%	15:00

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