



Lithium Disilicate-Based High Fusion Press Ingots

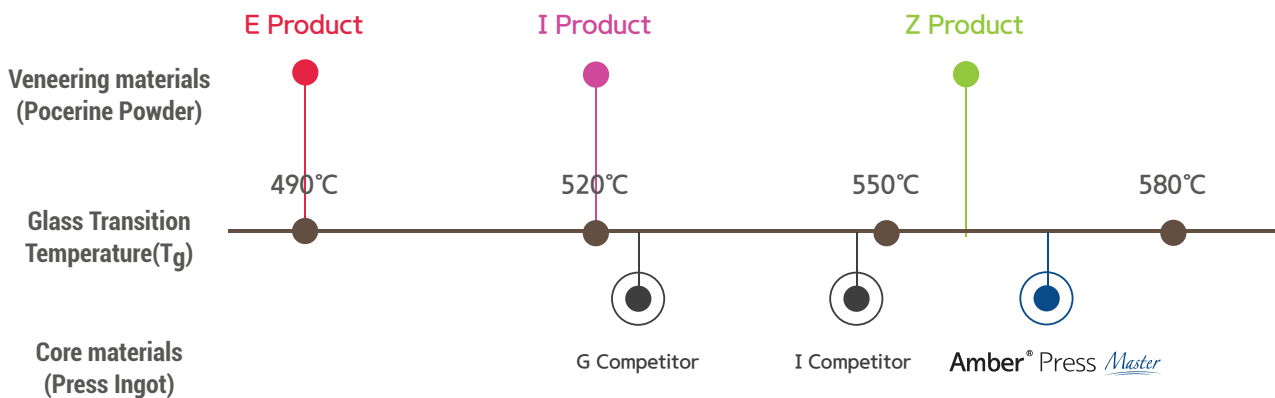
# Amber<sup>®</sup> Press *Master*



[www.hassbio.com](http://www.hassbio.com)

## Thermal Stability

### Rigid Framework for Multiple Firing - Thermal Stability



Framework from Amber Press Master are quite stable and strong since it can be dealt with pretty high glass transition temperature (Tg).

\*T<sub>g</sub> : Transition Temperature

### Compatible with Various Veneering Materials

Amber<sup>®</sup> Press Master ingots are compatible with various veneering materials for lithium disilicate.

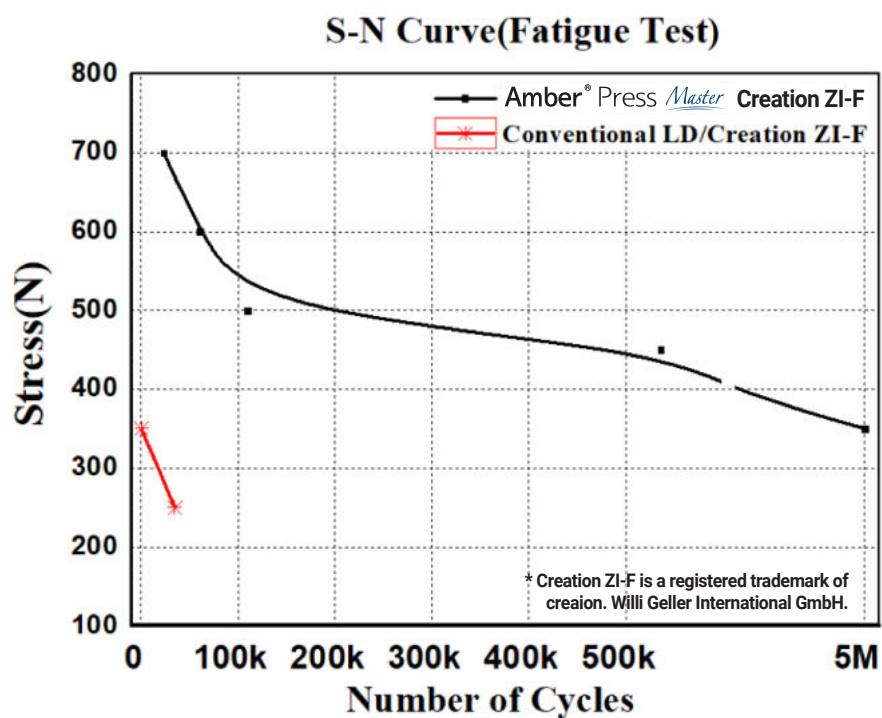
- IPS e.max ceram (Ivoclar Vivadent)<sup>\*</sup>
- VINTAGE LD Porcelain (Shofu)<sup>\*</sup>
- MiYO (Jensen)<sup>\*</sup>
- Initial Zr-FS (GC)<sup>\*</sup>
- Initial LiSi (GC)<sup>\*</sup>
- InSync (Jensen)<sup>\*</sup>
- EX-3 PRESS LF, CZR PRESS LF (Kuraray Noritake)<sup>\*</sup>
- Creation ZI-F (Creation Willi Geller)<sup>\*</sup>

\* Not a registered trademark of HASS Corp.



# Mechanical Strength

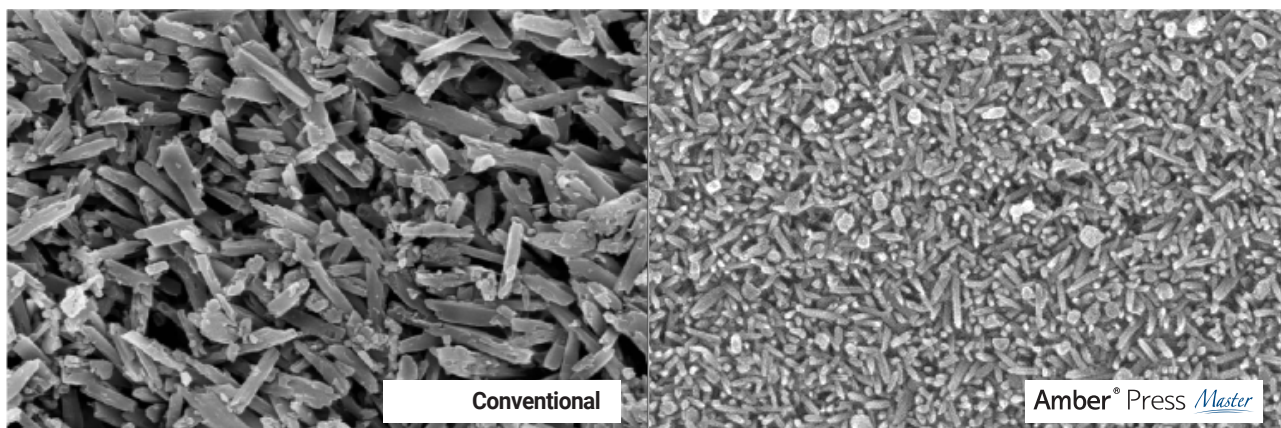
## Dynamic loading geometry



Experimental Method of Fatigue Test

- Testing machine: Instron 5671
- Dynamic loading geometry: load 2~800 N, 10 Hz, ~5.0×10<sup>6</sup> cycles

## High Dense structure



Approximately 2 times smaller size and higher density of LD crystalline  
 This indicates that new LO is more soft, tough and ductile with a high crack deflection

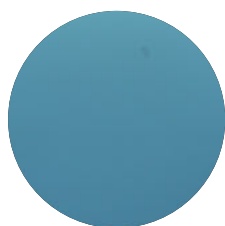
## Less reaction Layer

### Simple and Safe

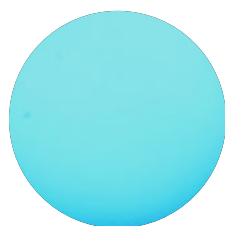
After pressing, very little reaction layer remains on Amber<sup>®</sup> Press Master.  
There is no need to apply any acid for clean-up, thereby ensuring a simple and nonhazardous process.



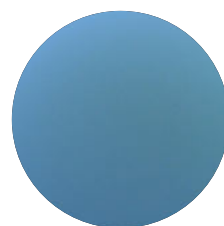
### Opalescence



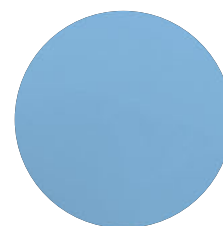
Competitor MO 0



Amber<sup>®</sup> Press *Master* LO 0

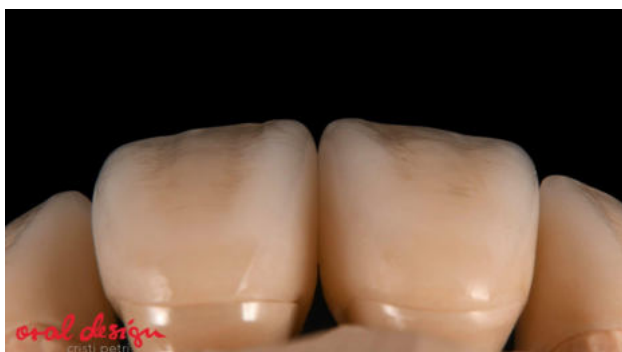


Competitor HT A1



Amber<sup>®</sup> Press *Master* HT+ 0.5

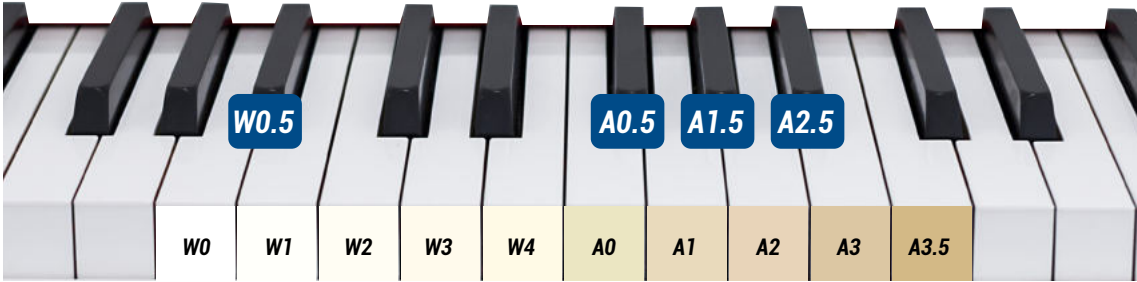
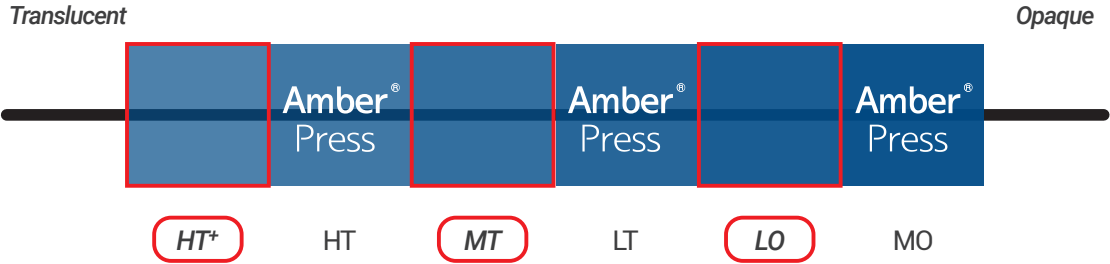
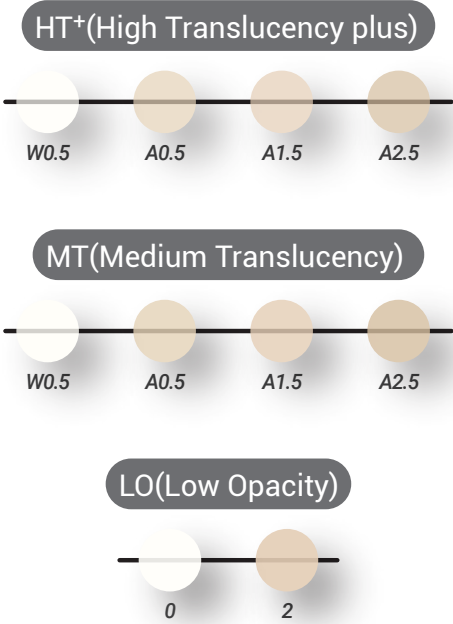
### Aesthetic Outcomes with Amber<sup>®</sup> Press Master



Courtesy of CDT. Cristian Petri, Romania


# Pressing ingot for "Masters"

## Available shades



## Pressing ingot for "Masters"

### Product Line-up

Amber <sup>®</sup> Press <i>Master</i>		Dimensions (mm)	pcs / Pack
	R10	Ø12.7 x T 10	5 ingots

### Indication



Inlays



Onlays



Veneers



Anterior Single Crowns



Posterior Single Crowns



3-Unit Bridge  
\*up to the second Premolar

### Pressing Schedules

#### Austromat 654 press-i-dent

Translucency	Start Temp. (°C)	Heating Rate (°C/min)	Max. Temp. (°C)	Holding Time (min)	Pressing Duration	Press level
HT+ / MT / LO	700	60	945	20	Auto 1	5

\*Austromat 654 press-i-dent is a registered trademark of DEKEMA.

#### EP3000

Stand-by temperature B (°C)	Closing time S (min)	Temperature increase rate t (°C)	Holding temperature T (°C)	Holding Time H (min)	Vacuum on V1 (°C)	Vacuum off V2 (°C)	Long-term cooling L (°C)	Cooling time tL (°C)
700	3:00	60	935	10:00	750	935	690	-

\*EP3000 is a registered trademark of Ivoclar Vivadent.

#### NOTE: The above schedules are referential guideline only

There may be a difference between the displayed temperature and the real temperature of each furnace. When you use the Amber ingots, please verify the above standard schedule is suitable for your press furnace. If it is not, please try to find the optimum temperature through the following process.

- 1) If there are some traces of tiny bubble on the surface of the restoration  
⇒ Please reduce the maximum temperature by 5~10°C or holding time and try pressing again.
- 2) If the marginal area of the restoration is not formed completely  
⇒ Please increase the maximum temperature by 5~10°C or holding time and try pressing again.

#### HASS Corporation

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