

TECHNICAL INFORMATION UPDATE

KATANA™ Zirconia

“90-minute Sintering” is now possible for 3-unit Bridges.



*In the US, the entire KATANA™ series has been launched. In Europe, KATANA™ LT is not launched. The availability varies, according to country.

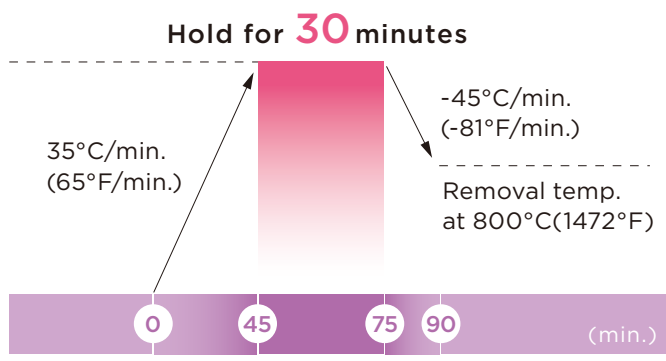
90-minute Sintering up to a 3-unit Bridge

In addition to the usual sintering time (approx. 7 hours), due to our proprietary zirconia technology, KATANA™ Zirconia can be sintered in approx. 90 minutes* without compromising translucency or mechanical strength.

*The material is removed from the furnace at 800°C.

Sintering schedule

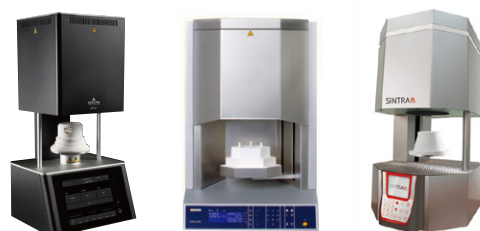
STML/UTML : 1560°C(2840°F)
 HTML : 1515°C(2759°F)



Fast sintering furnaces

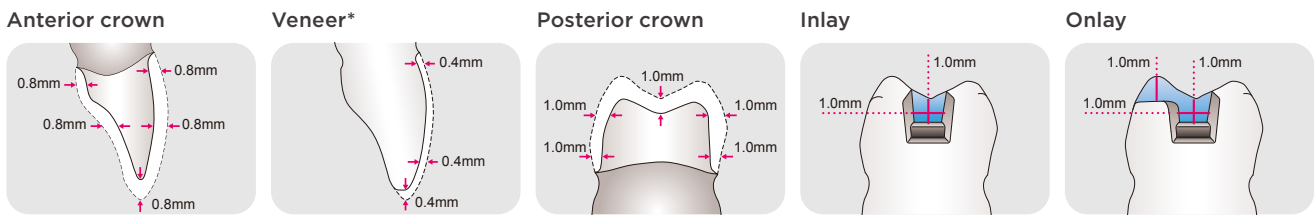
Listed below are examples of furnaces which can reach the desired high temperature:

- Austromat 674i
- inFire HTC speed
- Sintra Plus



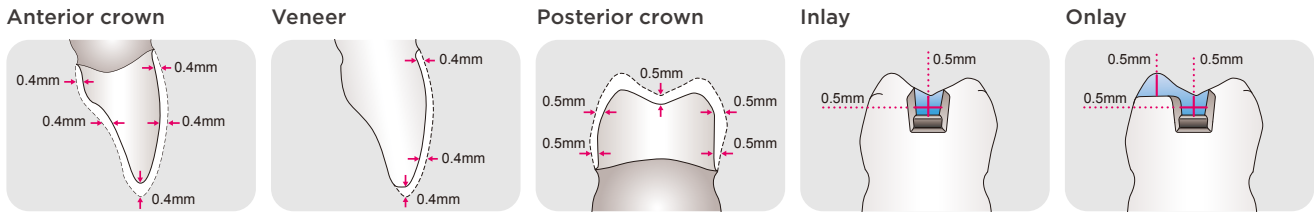
Minimum Wall Thickness of Zirconia

UTML STML

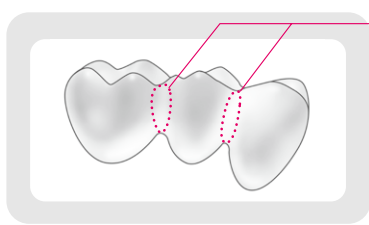


*Keep 0.8mm in case of porcelain build-up. You can reduce to 0.4mm when finishing with glaze and polish.

HTML



Bridge



Minimum Connector Cross Section

	UTML	STML	HTML
Anterior 2-3 units	12mm ² or more	12mm ² or more	7mm ² or more
Anterior 4 units or more(not recommended).....		9mm ² or more
Posterior 2-3 units	16mm ² or more	16mm ² or more	9mm ² or more
Posterior 4 units or more(not recommended).....		9mm ² or more

Wide Shade Selection

Series	Shade										Size (Diameter/Thickness)
UTML	A1	A2	A3	A3.5	A4	B1	B2	B3	B4		98.5mm/14, 18, 22mm
	C1	C2	C3	C4	D2	D3	D4				
	ENW	EA1	EA2	EA3							
STML	NW	A1	A2	A3	A3.5	A4	B1	B2	B3		98.5mm/10, 14, 18, 22, 26, 30*mm
	C1	C2	C3	D2	D3						
HTML	NW	A1	A2	A3	A3.5	A4	B1	B2	B3		98.5mm/10, 14, 18, 22, 26, 30*mm
	C1	C2	C3	D2	D3						
HT	HT10	HT12	HT13								* Only for HT series
LT	LT10	LT12	LT13								

New Series

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 Website www.kuraraynoritake.com

- Before using this product, be sure to read the Instructions for Use supplied with the product.
- The specifications and appearance of the product are subject to change without notice.
- Printed color can be slightly different from actual color.

"KATANA" is a trademark of NORITAKE CO., LIMITED.