

KATANA™ Zirconia

HT *High Translucent*

LT *Low Translucent*

Mono-colored zirconia
Featuring Optional 90-minute Sintering*

















Monochromatic translucency options of “KATANA™ Zirconia” HT (High Translucent) and LT (Low Translucent) series have different levels of translucency, making them especially suitable for porcelain layering!

Different levels of translucency allow you to choose between HT and LT to fabricate a highly esthetic porcelain-fused zirconia restoration with minimum laboratory effort. Porcelain-fused zirconia restorations tend to have a thin framework; their appearance may be affected by the color of the abutment. Select HT if you want to reflect the color of the abutment; select LT if you want to mask the color of the metal or discolored abutment. These options make it easier to achieve an esthetic color adjustment.

Selecting Right Translucency for Framework

By properly using HT or LT, you can accurately utilize or mask various abutment colors.

Reccomended indications

Abutment color	HT	LT
		
		
		
		
		

Select HT if you want to reflect the abutment color; choose LT if you want to mask abutment color. Use Shade Base and Opacious Body to adjust the base color according to the target shade you want to achieve.

Masking degree comparison between HT and LT on the metal abutment

(Frame thickness 0.4mm)



Non discolored Abutment

Non discolored Abutment
+ HT12



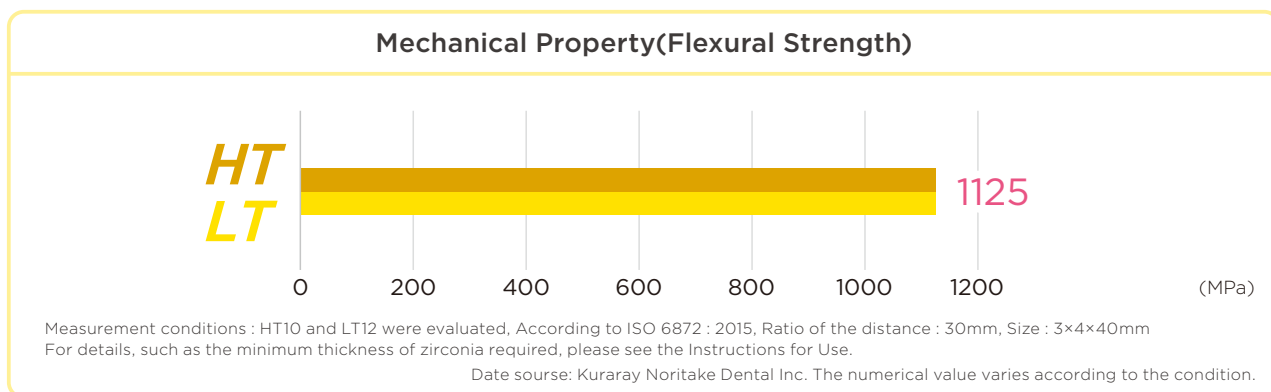
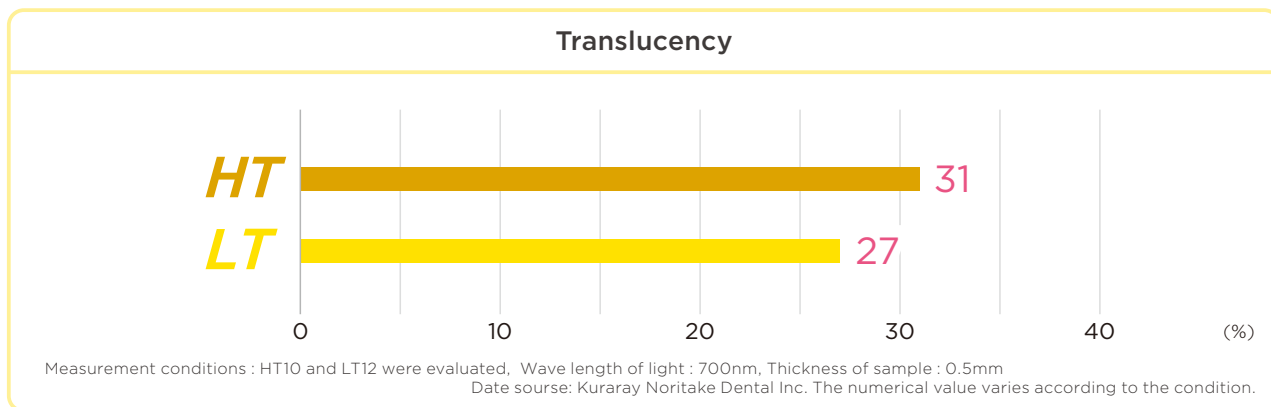
Metal Abutment

Metal Abutment
+ HT12

Metal Abutment
+ LT12

Translucency and Mechanical Properties Needed to Fabricate Restorations

Both HT and LT have the required mechanical property to serve in a variety of applications, from single crowns to longspan bridge frameworks. The masking ability of the LT is well-balanced, due to its effective level of opacity.



Examples of Use

Fabricated using porcelain

HT

Tooth color is reflected.



1. Shade taking



2. Checking the frame on the model



3. Seating in the mouth

Picture provided: Cusp Dental Supply Inc., Kazunobu Yamada, RDT
Clinical cases contributed by Junichi Yoshida, DDS, Restoration fabricated by Kazunobu Yamada, RDT

Examples of Use

Fabricated using porcelain

LT

Tooth color is masked.



1. Shade taking



2. Checking the frame on the model
(Left: LT, Right: HT)



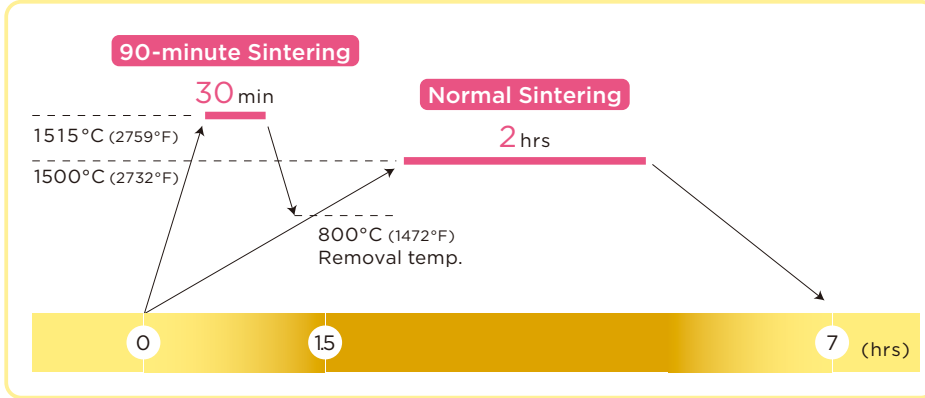
3. Seating in the mouth
(Both restorations used LT)

Picture provided: Cusp Dental Supply Inc., Kazunobu Yamada, RDT
Clinical cases contributed by Masamori Harada, DDS. Restoration fabricated by Shigeru Adachi, RDT

90-minute Sintering Up to a 3-unit Bridge

In addition to the usual sintering time (approximately 7 hours), under our proprietary zirconia technology, the zirconia can be sintered in approximately 90 minutes* without any compromise of translucency or mechanical strength.

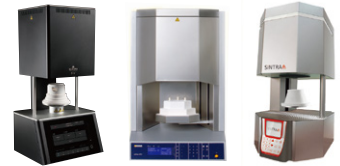
*The material is removed from the furnace at 800°C.



Fast Sintering Furnaces

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

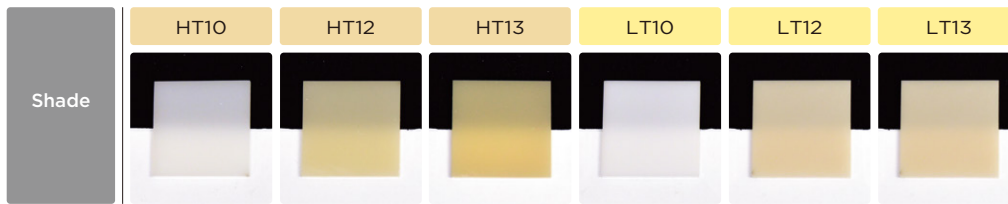
- Austromat 674i
- inFire HTC speed
- Sintra Plus



	High Temp.	Hold Time	Rate of Temp. increase	Rate of Temp. decrease
Normal Sintering	1500°C (2732°F)	2hrs	10°C (18°F)/min	-10°C (-18°F)/min
90-minute Sintering	1515°C (2759°F)	30min	35°C (63°F)/min	-45°C (-81°F)/min

Line up

Series	Shade			Size (Diameter/Thickness)	Shade	HT10 LT10	HT12 LT12	HT13 LT13
HT	HT10	HT12	HT13	98.5mm / 10, 14, 18, 22, 26, 30*mm <small>* Only for HT series</small>	Shade Matching (In case of using Cerabien™ZR)	EW ₀₀ EW ₀ EW	EWY NW _{0.5} A ₁ NP _{1.5} B ₁ B ₂	A ₂ A ₃ NP _{2.5}
LT	LT10	LT12	LT13					



UTML Ultra Translucent Multi Layered

STML Super Translucent Multi Layered

HTML High Translucent Multi Layered

Kuraray Noritake Dental Inc.

300 Higashiyama, Miyoshi-cho, Miyoshi, Aichi 470-0293, Japan

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" and "CERABIEN" are trademarks of NORITAKE CO., LIMITED.

