

# 刀 KATANA™ Zirconia

**HT** *High Translucent*

**LT** *Low Translucent*

Mono-colored zirconia  
Featuring Optional 90-minute Sintering\*



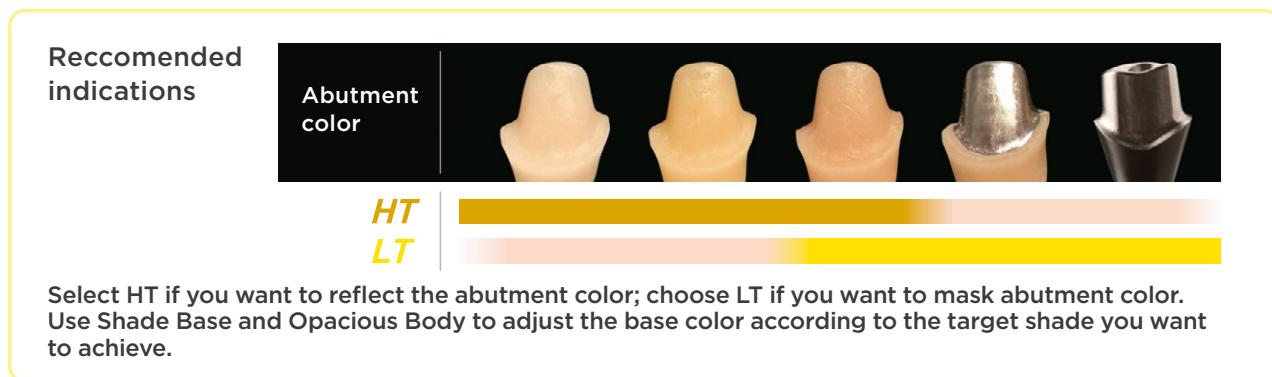


**Monochromatic translucency options of “KATANA™ Zirconia” HT (High Translucent) and LT (Low Translucent) series have different levels of translucency, making them especially suitable for porcelain layering!**

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.



## Masking degree comparison between HT and LT on the metal abutment

(Frame thickness 0.4mm)



Non discolored Abutment

Non discolored Abutment  
+ HT12



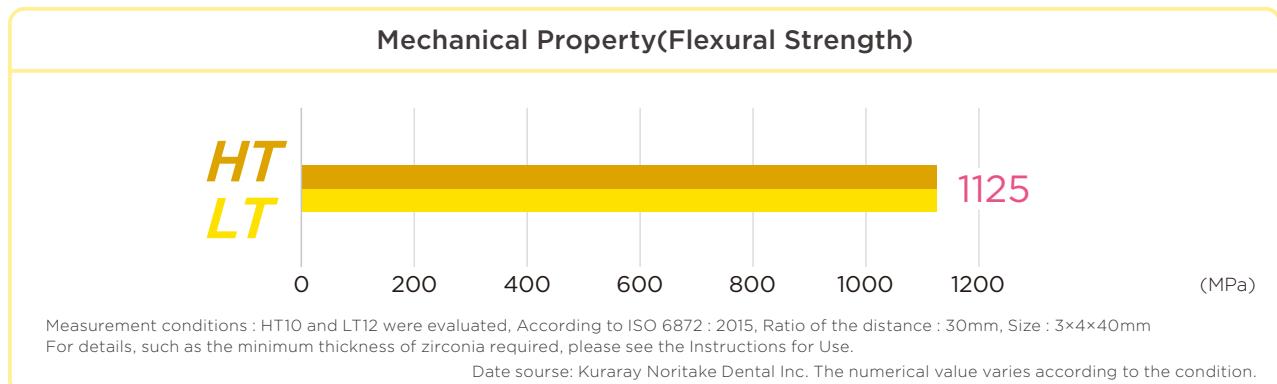
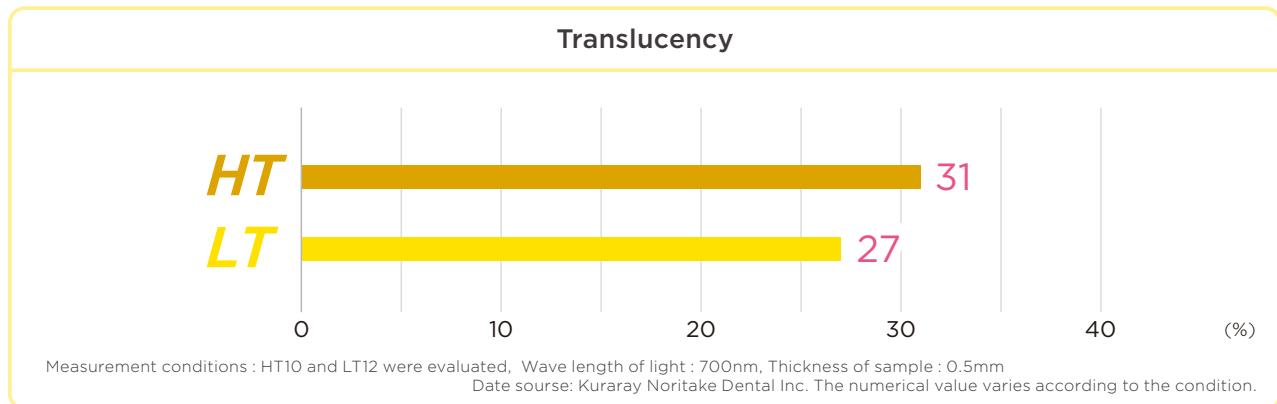
Metal Abutment

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



3. Seating in the mouth

(Both restorations used LT)

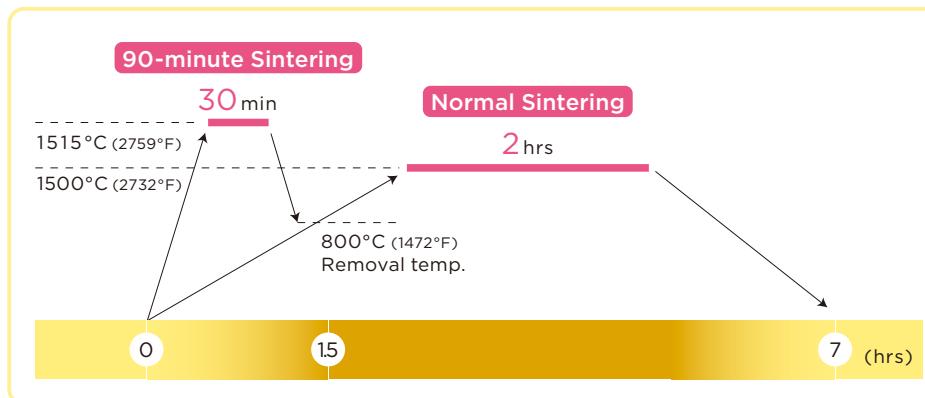
Picture provided: Cusp Dental Supply Inc., Kazunobu Yamada, RDT

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	* Only for HT series	Shade Matching (In case of using Cerabien™ZR)	EWoo EWo EW	EWY NW0.5 A1 NP1.5 B1 B2	A2 A3 NP2.5
LT	LT10	LT12	LT13							
Shade	HT10	HT12	HT13	LT10	LT12	LT13				

Other series  
<Multi layered>



**UTML** Ultra Translucent Multi Layered

**STML** Super Translucent Multi Layered

**HTML** High Translucent Multi Layered

- 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.

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 **Kuraray Noritake Dental Inc.**  
300 Higashiyama, Miyoshi-cho, Miyoshi, Aichi 470-0293, Japan

Website [www.kuraraynoritake.com](http://www.kuraraynoritake.com)

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