A Renowned Japanese Ceramic Manufacturer

Kuraray Medical Inc. and Noritake Dental Supply Co., Ltd. merged in April 2012 with the aim of creating synergy in the areas of development, production, and sales, and strengthening their presence in the Japanese and global markets. The new company, Kuraray Noritake Dental Inc., seeks to develop new products based on the technologies cultivated thus far by the individual companies, and through it, to contribute to enhancing patients’ quality of life, continuing to take on the daily challenge of expanding into new technology domains.

**CAD/CAM advancement**

Non-metal alternative materials

**Dispersion and mixing technology of fine filler**

**Fluoride releasing technology**

**Applied research**

**Production and quality control**

**Basic research**

**Color reproduction technology**

**Fine ceramics design technology**

**Fine ceramics production technology**

Adhesion technology to tooth substrate

Surface treatment technology for fine filler

Easy-to-use powder production technology

Kuraray Medical

Noritake Dental Supply

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**KATANA Zirconia & CERABIEN ZR (CZR)**

Porcelain Fused Zirconia (PFZ) Solution

“The patient expressed a lack of confidence in her smile due to esthetic issues with her maxillary central incisors. Final crowns created using Noritake KATANA all-ceramics were cemented.

The result is a beautiful smile with completely natural-looking teeth.”

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**KATANA Zirconia : Full Contour Zirconia (FCZ) Solution**

KATANA Zirconia Material can make Full Contour Zirconia which has high cost performance. You can get strong and stable posterior restoration without layering. CERABIEN ZR (CZR) internal & external stain and e-glass will give more esthetic result with minimum intervention.

**CERABIEN ZR (CZR) and CZR PRESS**

Best matching with KATANA Zirconia Materials.

CERABIEN ZR (CZR) Series is a porcelain specifically developed for making all ceramic crowns in use with zirconia frameworks. Crow and Bridge made from with KATANA Zirconia can be used in the posterior as well as anterior due to its extremely high fracture toughness and excellent resistance. The combination of CERABIEN ZR (CZR) Series and KATANA Zirconia will give you enhanced esthetics and fitness with maximum strength for an overall superior restoration.

Kuratay Noritake Dental Inc.

300 Higashiyama, Miyoshi-cho

Miyoshi, Aichi 470-0293, Japan

http://www.kuraraynoritake.com
Outstanding Durability

- **Low Monoclinic Transformation**
  - What is Monoclinic Transformation?
    - Under hydrothermal condition, tetragonal system of zirconia surface transforms to monoclinic and gets brittle. (See figure of Company A)
    - KATANA Zirconia, however, will have minimal monoclinic shift and maintain its strength. (See figure of KATANA Zirconia)

- **Lifetime Strength Persistence**
  - After 24hrs hydrothermal storage
  - KATANA Zirconia (ML & HT) have outstanding durability even if they have high translucency.

Collaboration between High Translucency & Pre-colored Technology

- **Translucency of 1.0mm thickness**
  - ML : A Light
  - ML : A Dark
  - ML : B Light
  - HT : HT10

- **Esthetic High Translucency & Pre-colored Shade**
  - **Color Variety**
    - KATANA Zirconia (ML & HT): Disc
      - ML : High-translucent, multi-layered and pre-colored disc for FCZ
      - HT : High-translucent white

Line-up of KATANA Zirconia Material (All Pre-sintered)

- **Translucency parameter**
  - KATANA Zirconia HT
    - Lava Plus
    - Cercon 9100
    - ZenoStar pure
    - Zirkonzahn Prettau
  - ZirPrime
    - upcera
    - Cercon base
  - KATANA Zirconia KT10

- **Physical Property**
  - **Translucency parameter**
    - KATANA Zirconia HT: 17.5
    - Lava Plus: 17.5
    - Cercon 9100: 17.1
    - ZenoStar pure: 16.7
    - Zirkonzahn Prettau: 16.4
  - ZirPrime: 12.6
  - upcera: 11.5
  - Cercon base: 9.9

- **Zirconia Line-up**
  - Diameter: 9.5mm
  - Thickness: 0.3mm
  - Shade: A Light, A Dark, B Light, HT10 (white)

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