

kuraray

Noritake



PRODUCTS

CATALOGUE

LABSIDE

Products for technicians



Kuraray Noritake Dental Inc.

Live your life with beautiful teeth!


What do beautiful teeth mean?

One could say they are teeth that are healthy and have been preserved in as natural a condition as possible.

It has been proven in recent years that there is a deep connection between the environment inside the oral cavity and the health of the whole body. Beautiful teeth, a vibrant smile, and a healthy life. At Kuraray Noritake Dental, we help people protect their precious teeth and quality of life (QOL). We manufacture outstanding high-quality dental products by using excellent applications of technology throughout all production processes.

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A middle-aged man with glasses, wearing a dark suit, white shirt, and a patterned tie, is seated at a dark wooden desk. His hands are clasped in front of him. The background is a bright, modern office interior with large windows and a green plant on the left.

Message from our President

*We support progress in
dental quality and technology.*

Technology and Quality

10 years of integration!

Kuraray Noritake Dental Inc. was established in 2012 through the merger of Kuraray Medical Inc. and Noritake Dental Supply Co., Ltd.

Even before this merger, many customers had given high marks to each of these two companies, as leaders in their respective fields of dental bonding agents and ceramics. We have fused the wealth of technology that we have each accumulated and we are determined to use our knowledge to create product groups and systems that are brimming with even more originality. Now we plan to move ahead even further, as we expand our fields of business development.

Recent years have seen major changes in the dental treatment environment. Worldwide

population aging, changes in disease patterns, and new and diverse patient wants and needs are all contributing factors. The social importance of dental treatment is becoming even greater. Each and every one of our employees is working with a sense of pride and awareness, while endeavoring to strengthen his or her capabilities and grow as a participant in the provision of dental health. These conscientious employees enable our company to satisfy our customers and respond to the needs of the times.

We will continue to provide patients and dental professionals with “products” and “information” keeping “safety” and “comfortability” by cultivating these technologies and creating new ones.

Satoshi Yamaguchi, President

About Kuraray Noritake Dental Inc.

We intend to develop new technology and products that improve the QOL of dental patients.

Company name	Kuraray Noritake Dental Inc.
Capital	300 million yen
Investment ratio	66.7% from Kuraray Co., Ltd. 33.3% from Noritake Company Ltd.
Line of Business	Production and sales of dental materials and medical related products

Office locations

Japan	Tokyo Office	Tokiwabashi Tower, 2-6-4 Otemachi, Chiyoda-ku, Tokyo, 100-0004, Japan
	Osaka Office	Osaka Umeda Twin Towers North 8-1 Kakudacho, Kita-Ku, Osaka 530-0017, Japan
Europe	Kuraray Europe GmbH	Philipp-Reis-Str. 4, 65795 Hattersheim am Main, Germany TEL: +49(0)69 305 35 834 https://www.kuraraynoritake.eu/en/
USA	Kuraray America, Inc.	32 Old Slip Floor 7 New York, NY 10005 TEL: +1-800-879-1676 FAX: +1-888-700-5200 https://kuraraydental.com/
China	Kuraray (Shanghai) Co., Ltd.	Unit 2207, 2 Grand Gateway, 3 Hongqiao Road, Xuhui District Shanghai 200030 TEL: +86-21-6119-8111 FAX: +86-21-6119-8585
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Quality management

The search for technological synergy

Research and development activities at Kuraray Noritake Dental take full advantage of Kuraray and Noritake's accumulated know-how. We intend to develop new technologies and products, and continue to meet the opportunities and challenges offered by new domains of technology. Our contributions to improving patients' QOL will continue, day by day.

One of our most important obligations is to manage product quality effectively. We are taking the appropriate steps to maintain our certification under the international standard for quality management systems (ISO 13485), as well as work tirelessly to make sure that everyone can use our products with complete satisfaction.



Our technologies



Connecting technology to your attractive smile

Technology × Esthetics



Adhesion technology produced as a result of our incessant R&D activities!

Kuraray's proprietary MDP adhesive phosphate monomer contributes to the development of today's dentistry by providing exceptional durability and bonding.

Our dental materials business started when we established in Japan the "GK-101" dental treatment system. This was a product that was developed in the U.S. early in the 1970's to selectively remove caries with medication. Recognizing that it is essential to have an adhesive material that can be placed in cavities without having to use a retention form, we began considering development of this kind of material on our own. In 1978, as a result of our efforts, we were able to develop Phenyl-P, a phosphate ester adhesive monomer. Even after that success, we wanted to develop a higher level adhesive monomer. We continued to analyze the chemical structure of adhesive monomers at the molecular level. This finally paid off with the development of 10-Methacryloyloxydecyl dihydrogen phosphate (MDP), a phosphate ester adhesive monomer that came out of integrations within our adhesive technology. Almost all our cement products released after the launch of PANA VIA EX in 1983 and bond products released after the launch of CLEARFIL New Bond in 1984 contain MDP.

Our cement and bond products containing MDP provide superior bonding to metal and zirconia, as well as to tooth structure and are very durable in a wet environment, such as the oral cavity.

Reproducing natural-looking colors of teeth by taking advantage of the ceramics production technology accumulated through the manufacture of prestigious ceramics and tableware.

We are also focusing on the R&D of new materials for esthetic restorative applications. At the heart of this research is Noritake Company Limited's ceramics production technology, accumulated through the manufacture of prestigious ceramics and tableware. The company has supplied a variety of esthetic restoration dental products, since its first commercialization of dental plaster in Japan in 1939, including Noritake Super Porcelain EX-3, investment materials and metals. We have recently started producing and marketing dental CAD/CAM-related equipment, zirconia discs and porcelain products for zirconia frameworks. We are listening carefully to voices from dental care service providers and we are committed to continuing to develop better products to improve patients' QOL.

01 / CAD/CAM MATERIALS



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Natural beauty for all your prosthetics.
Create partials, natural veneers, full contour prosthetics and large dentin-like frameworks with our line of zirconia discs.



KATANA™ Zirconia YML

Revolutionary All-In-One Disc Design

“KATANA™ Zirconia” YML is a new definition of zirconia in dentistry. This product is characterized by a unique raw material combination of highly translucent zirconia with high strength, which are integrated together by an advanced manufacturing technology.

KATANA™ Zirconia STML

Well-balanced Translucency and Strength

With KATANA™ Zirconia STML, light is transmitted in the incisal area and blocked in the cervical area. You have the flexibility to make beautiful full contour prosthetics, regardless of the abutment color.

KATANA™ Zirconia UTML

Enamel-like translucency

KATANA™ Zirconia UTML is so translucent that light reaches the original tooth color, bringing you the natural result you desire. This zirconia has one of the highest translucency levels on the market, as well as a natural color gradient.

KATANA™ Zirconia HTML PLUS

Highest Strength Version of “KATANA™ Zirconia”

“KATANA™ Zirconia” HTML PLUS is characterized by the use of unique raw materials that correspond to high speed sintering, improved translucency without compromising strength.

Russia and CIS countries	East Asia	Southeast Asia	South Asia
Middle East & Africa	Central America	Latin America	Oceania

**“KATANA™ Zirconia”
multi-layered**





KATANA Zirconia YML

Highly aesthetic one-for-all option.



KATANA Zirconia HTML PLUS

The solution for complex restorations and frameworks.

Translucency*1	Enamel: 49% Body 1: 47% Body 2, 3: 45% Integrated Translucency Gradient	Enamel: 45% Body 1: 47% Body 2, 3: 45% High Translucency
Flexural Strength*2	Enamel: 750 MPa Body 1: 1,000 MPa Body 2, 3: 1,100 MPa Integrated Strength Gradient	Enamel: 750 MPa Body 1: 1,000 MPa Body 2, 3: 1,100 MPa All layers
Application range	<ul style="list-style-type: none"> ✓ Monolithic Crowns ✓ Monolithic Bridges ✓ Cut-back frameworks 	<ul style="list-style-type: none"> ✓ Monolithic Crowns ✓ Monolithic Bridges ✓ Cut-back frameworks ✓ Frameworks
Recommended application	<ul style="list-style-type: none"> ● ● ● ● ● ● VENEER ● ● ● ● ● ● ONLAY / INLAY ● ● ● ● ● ● ANTERIOR CROWN ● ● ● ● ● ● POSTERIOR CROWN ● ● ● ● ● ● 3-UNIT BRIDGE ● ● ● ● ● ● LONG-SPAN BRIDGE 	<ul style="list-style-type: none"> ● ○ ○ ○ ○ ○ VENEER ● ○ ○ ○ ○ ○ ONLAY / INLAY ● ● ● ○ ○ ○ ANTERIOR CROWN ● ● ● ● ● ● POSTERIOR CROWN ● ● ● ● ● ● 3-UNIT BRIDGE ● ● ● ● ● ● LONG-SPAN BRIDGE
Sintering Schedule	High speed sintering. Up to 54-minutes.	High speed sintering. Up to 54-minutes.
	 CZR staining and glazing compatible.	 CZR staining and glazing compatible.
Minimum wall thickness (Crown)	Anterior Enamel : 0.8mm Body : 0.4mm Posterior Enamel : 1.0mm Body : 0.5mm	Anterior : 0.4mm Posterior : 0.5mm

Measurement condition: Evaluated by base material (white color), *1 All light transmittance, illuminant: D65, Thickness of sample: 1.0mm *2 According to ISO 6872: 2015, Sample size: 3 x 4 x 40mm

“KATANA™ Zirconia” multi-layered





KATANA Zirconia STML

Excellent choice for posterior crowns and bridges.



KATANA Zirconia UTML

For true-to-life anterior restorations.

Translucency*1	49% Super Translucency	51% Ultra Translucency
Flexural Strength*2	748 MPa All layers	557 MPa All layers
Application range	<ul style="list-style-type: none"> ✓ Monolithic Crowns ✓ Monolithic Bridges (up to 3-unit) ✓ Cut-back frameworks (up to 3-unit) 	<ul style="list-style-type: none"> ✓ Monolithic Crowns (Anterior) ✓ Monolithic Bridges (Anterior, up to 3-unit) ✓ Cut-back frameworks (Anterior, up to 3-unit)
Recommended application	<ul style="list-style-type: none"> ● ○ ○ ○ ○ ○ VENEER ● ● ● ○ ○ ○ ONLAY / INLAY ● ● ● ● ● ● ANTERIOR CROWN ● ● ● ● ● ● POSTERIOR CROWN ● ● ● ○ ○ ○ 3-UNIT BRIDGE ○ ○ ○ ○ ○ ○ LONG-SPAN BRIDGE 	<ul style="list-style-type: none"> ● ● ● ● ● ● VENEER ● ● ● ● ● ● ONLAY / INLAY ● ● ● ● ● ● ANTERIOR CROWN ● ● ● ○ ○ ○ POSTERIOR CROWN ○ ○ ○ ○ ○ ○ 3-UNIT BRIDGE ○ ○ ○ ○ ○ ○ LONG-SPAN BRIDGE
Sintering Schedule	High speed sintering. Up to 54-minutes.	High speed sintering. Up to 54-minutes.
	 CZR staining and glazing compatible.	 CZR staining and glazing compatible.
Minimum wall thickness (Crown)	Anterior : 0.8mm Posterior : 1.0mm	Anterior : 0.8mm Posterior : 1.0mm

02 / DENTAL PORCELAINS

Noritake Super
Porcelain EX-3



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Noritake Super Porcelain
EX-3 Paste Opaque
-NP Bonder-



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CERABIEN™ ZR



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CERABIEN™ ZR
FC Paste Stain



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CZR PRESS LF



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Noritake Super Porcelain EX-3



DENTAL PORCELAIN for Metal Framework Restorations

The fabrication procedures for Noritake Super Porcelain EX-3 are remarkably easy. Its outstanding features are made possible because of its very fine particle size. Noritake Super Porcelain EX-3 is superior to other dental porcelains because its coefficient of thermal expansion(CTE) remains stable during repeated bakings. When making a long span bridge, each unit may be precisely customized with repeated baking of the entire span with minimal risk of cracking. It is compatible with precious, semi-precious, non-precious and silverfree alloys for metal-ceramic prostheses. Its fluorescence is ideal and it is highly resistant to silver-induced greening. This combination of features makes Noritake Super Porcelain EX-3 an ideal choice for porcelain restorations.

Russia and CIS countries

East Asia

Southeast Asia

South Asia

Middle East & Africa

Central America

Latin America

Oceania

Noritake Super Porcelain EX-3 Paste Opaque -NP Bonder-



NP Bonder is optimized to make a secure bond between porcelain and metal framework made of non-precious metal alloy. It also reduces the possibility of occurrence of black lines in the metal framework margin and reduces the likelihood of yellow or green discoloration of the porcelain after baking.



CERABIEN™ ZR



DENTAL PORCELAIN for Zirconia Framework Restorations

CERABIEN™ ZR is a porcelain for making all ceramic crowns in use with zirconia framework. Single crowns made from CERABIEN™ ZR with zirconia can be used in the posterior as well as anterior, due to its extremely high flexural strength. The combination of CERABIEN™ ZR and zirconia will give you enhanced esthetics and fit with maximum strength for an overall superior restoration.

CERABIEN™ ZR FC Paste Stain



CERABIEN™ ZR FC Paste Stain
The addition of a new paste-type FC Paste Stain (a surface stain) to the CERABIEN™ ZR line allows the easy characterization of full-zirconia restorations. FC Paste Stain is available in a total of 27 shades, for the reproduction of a wide variety of colors.

The full complement of blue and gray shades (Light Gray, Dark Gray, Grayish Blue, & Blue) make it possible to reproduce blue-grayish transparency effects for the incisal area possible. Two types of glaze (Glaze & Clear Glaze) make it easier to control the appearance of transparency across the entire crown.

Russia and CIS countries

East Asia

Southeast Asia

South Asia

Middle East & Africa

Central America

Latin America

Oceania



PRESS CERAMIC for Zirconia Framework Restorations

CZR PRESS LF is indicated for layering CZR PRESS All-ceramic restorations.

CZR PRESS LF's lower fusing temperature (840°C) provides greater stability with repeated firings when layering CZR All-ceramic and CZR PRESS-to-Zirconia restorations.

Russia and CIS countries	East Asia	Southeast Asia	South Asia
Middle East & Africa	Central America	Latin America	Oceania

03 / LAB ACCESSORIES

NORITAKE SHADE GUIDE



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Esthetic White Shade Guide



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Color Guide



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NORITAKE Meister Finish



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Pearl Surface



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Magic Separator Magic Former



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Internal Live Stain Palette



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NORITAKE Porcelain Mat



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NORITAKE SHADE GUIDE



The NORITAKE SHADE GUIDE has been specifically designed to match precisely with Noritake Porcelains. It will make shade taking from natural teeth very easy.

Basic Concept of Shades

Noritake Porcelain incorporates less of a greenish color and shifts toward more of a pinkish color. This new system promotes better reproduction of the vivid shades of natural teeth. The NORITAKE SHADE GUIDE was developed specifically by utilizing this concept. Please note that stains have not been used in the fabrication of the Shade Guides to facilitate the correct selection of shades.

Noritake Original Shades

[NP1.5] The chroma is between A1 and A2 shades – the hue corresponds to the slightly reddish shades.

[NP2.5] The chroma is between A2 and A3 shades – the hue corresponds to the slightly reddish shades.

[NW0, NW0.5] These two shades are useful for the cases where whiter teeth are required due to the patient's request or to match adjacent bleached teeth.

Esthetic White Shade Guide



The ESTHETIC WHITE SHADE GUIDE is a shade guide for new bleaching shades. It is to create whiter shades rather than NW shades.

[EW00]

Ultimate white shade with highest opacity

[EW0]

Whiter and higher opacity than NWO

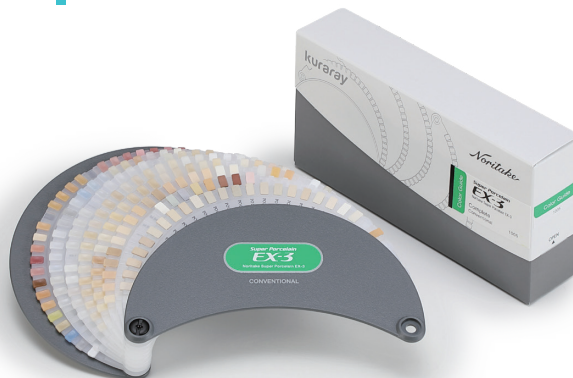
[EW]

Whiter than NWO but the same opacity

[EWY]

Slightly yellow white shade with the same opacity as NWO

Color Guide



The NORITAKE COLOR GUIDE is a new and unique color guide for all Noritake porcelains. The shape is a unique crescent. This color guide makes ceramist work very easy, helping to attain the correct shade to create beautiful porcelain restorations with Noritake porcelain.

NORITAKE Meister Finish



NORITAKE Meister Finishing Points can be used for the following applications: Minor adjustments on porcelain margins. Grooves in occlusal metal. Inside surface of PFMs and full cast metal crowns. The surface of the access hole of an implant supported crown. The finishing line of a denture framework. The tooth-side-surface of rests.

PEARL SURFACE



① PEARL SURFACE Z

PEARL SURFACE Z is used for polishing full zirconia crowns and framework. The product has high abrasive properties, due to different sizes of blended diamond particles.

② PEARL SURFACE C

③ PEARL SURFACE F

PEARL SURFACE C and F are porcelain polishing materials used after final recontouring. They add a natural luster to the surface without altering the subtleties in the texture. They are also suitable for polishing hard and denture-base acrylic resin.

Magic Separator Magic Former



① MAGIC FORMER

MAGIC FORMER is a dry-and-set type Margin Porcelain forming liquid. It has strong adhesive properties with opaque porcelain, becoming quite hard when it dries. It is easy to remove the coping from the die without disturbing the margin porcelain.

② MAGIC SEPARATOR

MAGIC SEPARATOR is a pen-type porcelain separator. It is used to separate porcelain from the model material in margin porcelain areas, on the gingival surface of pontics, and in adjacent contact areas.

Internal Live Stain Palette

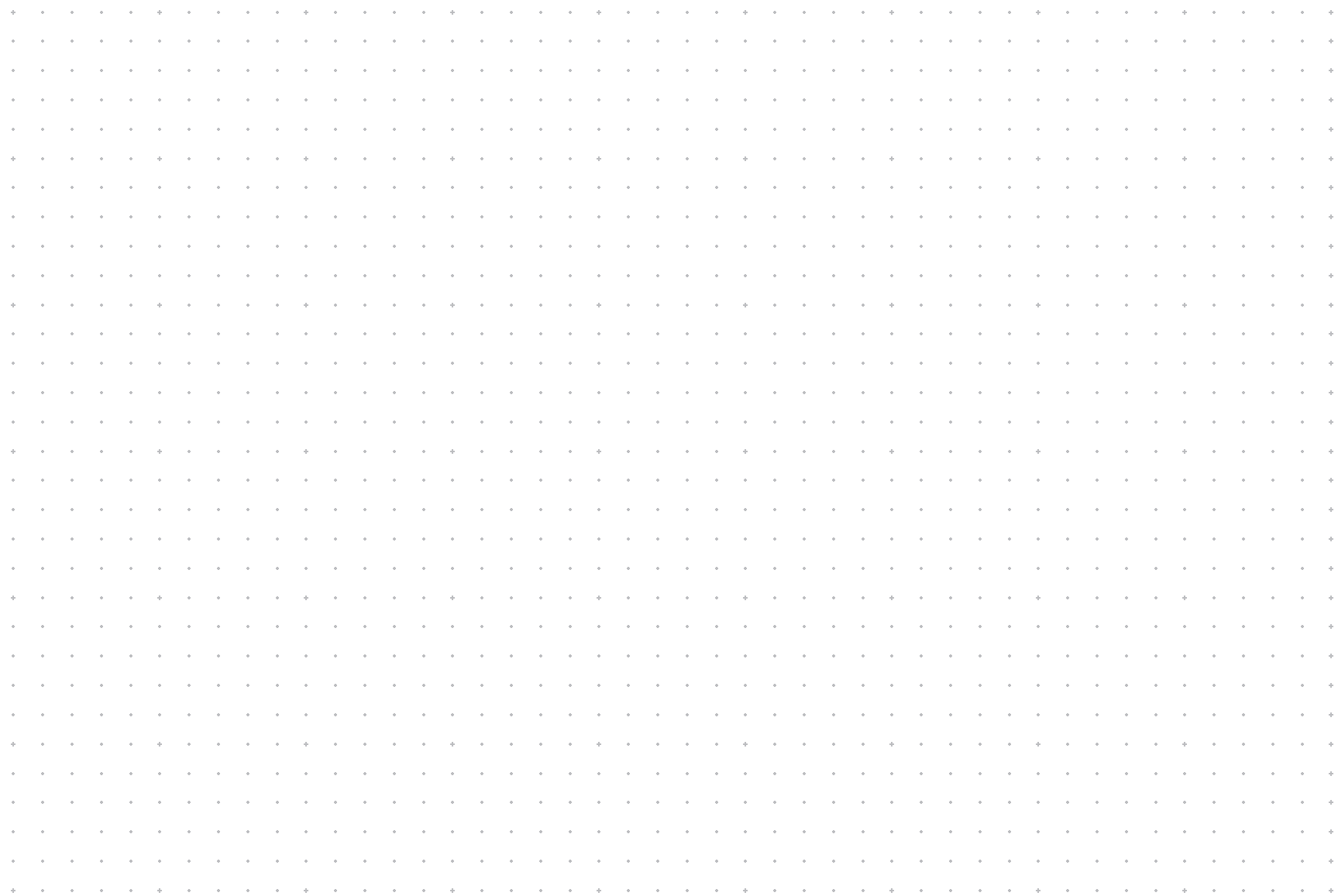


A unique design by the renowned ceramist Mr. Aoshima, has a fan-shaped configuration, making it very convenient for the specialist.

NORITAKE Porcelain Mat



The MAT, made from alumina / ceramic fiber, is designed to hold all-ceramic crowns and porcelain laminate veneers during baking.





Kuraray Noritake Dental Inc.

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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.

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