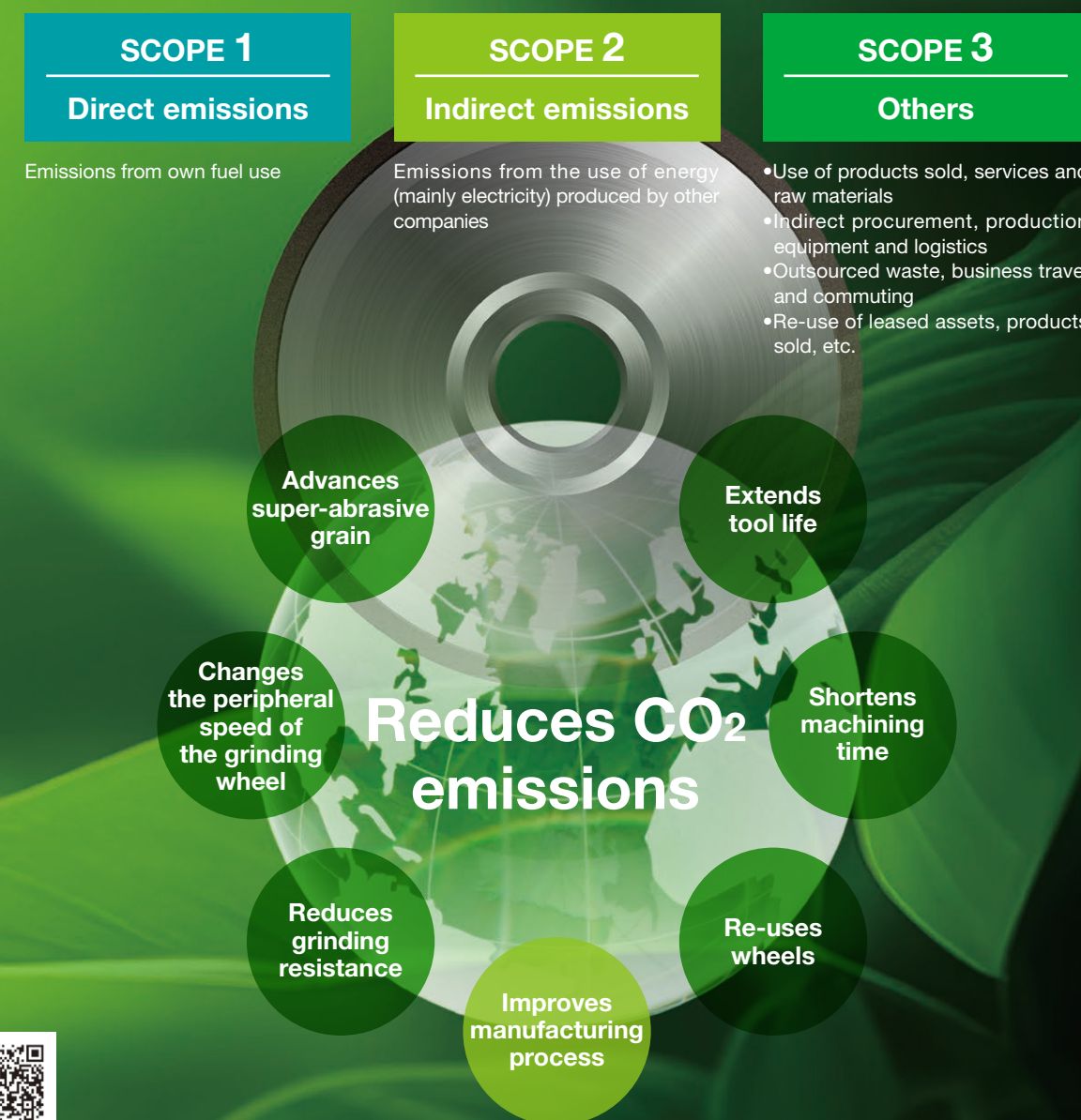


JTEKT GRINDING TOOLS is committed to develop grinding tools reducing CO₂ emissions to realize a sustainable society

Classification of supply chain emissions as defined by the “GHG Protocol”

- Supply chain emissions: The sum of all emissions associated with business activities
- GHG Protocol: International Standard for Greenhouse Gas accounting and reporting



Scan here for more detailed information on JTEKT GRINDING TOOLS environmental initiatives



Carbon neutral initiative video

SUSTAINABLE DEVELOPMENT GOALS



Please contact us for any concerns you may have related to grinding, such as equipment, grinding conditions, grinding problems, grinding wheel specifications and dimensions!

Shape precision is not achieved	Wheel life is shortened	Chatter occurs	Want to shorten the machining time
Grinding burns occur	Selection of wheel	Chipping occurs	Poor surface roughness

Grinding professionals will answer any question you may have

Consult Us on Anything
about Grinding and Machining

0564-48-5314

Contact us at the number above
9:00 - 17:00 (except 12:15 - 13:15)
Monday - Friday
(Excluding New Year holidays, spring and summer holidays)



JTEKT GRINDING TOOLS CORPORATION

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Hiroshima Office : 2-21-22 Shinonome-honmachi, Minami-ku, Hiroshima City, Hiroshima Prefecture 734-0023
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<https://www.tools.jtekt.co.jp>

Brochure
(English)



小冊子
(中文)



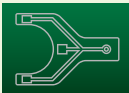
JTEKT GRINDING TOOLS CORPORATION

JTEKT

JTEKT GRINDING TOOLS ■ PRODUCT GUIDE



Resin Diamond Wheel **Revomate**



Semiconductors Ceramics and semiconductor jigs for surface grinding

Excellent cutting ability and durability enable **shorter cycle time** and **improved dressing intervals**, contributing to improved productivity



Dies & Molds Motor core molds for surface grinding



Excellent cutting ability and durability enable **highly efficient × high-precision machining** of large and complexed shaped molds

Newly developed binders

- Improved binder retraction
- Improved cutting ability
- Enhanced Abrasive Grain Retention

Abrasive grains with high toughness

- Improved edge durability
- Sustained cutting ability

Improved abrasive grain dispersion

- Grinding load uniformity
- Suppression of uneven wear

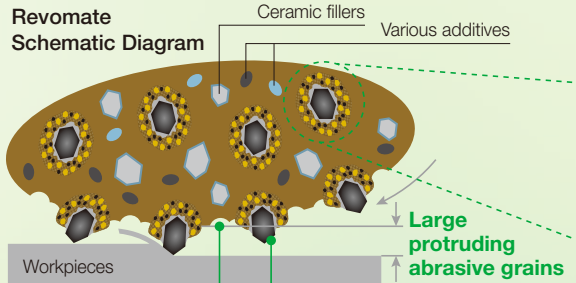


Scan here for more detailed evaluation examples



扫一扫这里，了解详细的评估示例

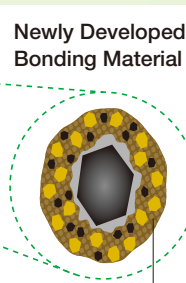
Revomate Schematic Diagram



Structure that prevents rubbing

Abrasive grains with high toughness
Improved edge durability

Newly Developed Bonding Material



Retention-Enhancing Layer



Vitrified CBN Wheels **“SAKURA”**



Automobiles Various shafts for outer diameter grinding



Excellent cutting ability and roughness retention enable **shorter cycle time** and **reduces the frequency of truing**, contributing to improved productivity



Machine parts Bearings for internal grinding



Excellent cutting ability and roughness retention enable **shorter cycle time** and **reduced tool costs**, contributing to improved productivity

Multi-pore structure

- Suppression of heat generation

High-strength binders

- Suppression of abrasive grain drop
- Suppression of wheel surface changes
- Reduced wheel wear

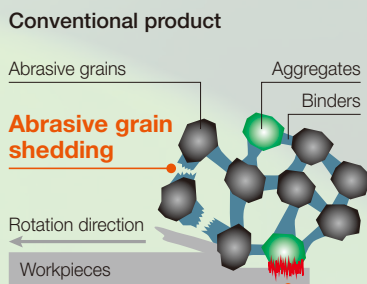


Scan here for more detailed evaluation examples



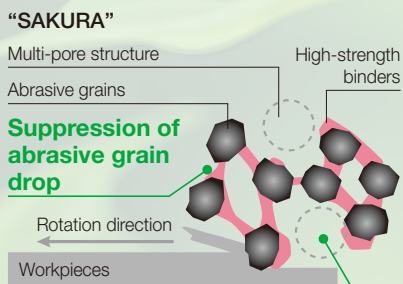
扫一扫这里，了解详细的评估示例

Conventional product



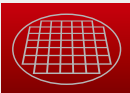
Heat generated by rubbing

“SAKURA”

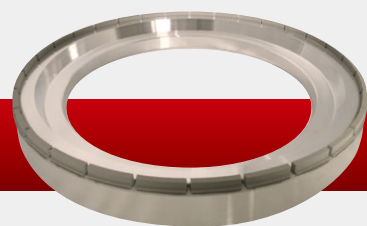


Structure that prevents rubbing

Vitrified Diamond Wheel **nanoVi®**



Semiconductors Wafers for surface grinding



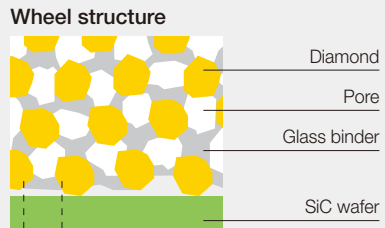
- Rough grinding wheel contributes to **reduced tool costs** by improving abrasion resistance
- Finishing grinding wheel realizes **consistent wafer processing quality** with stable cutting ability

Uniform wheel structure

- Stable cutting ability
- Stable processing quality

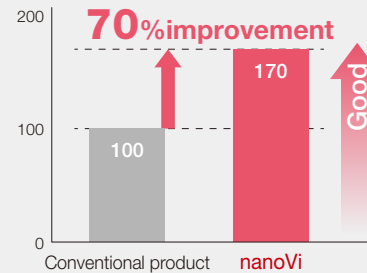
Glass binder with high strength

- Suppression of wheel wear



Uniform grain spacing ensures stable grinding and wafer quality

Comparison of Bond Strength



Scan here for more detailed evaluation examples

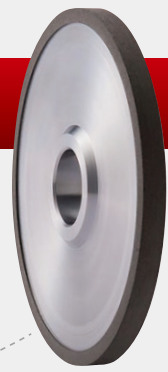


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Resin Diamond Wheel **Teramate Premium**



Dies & Molds Ultra-precision molds for surface grinding

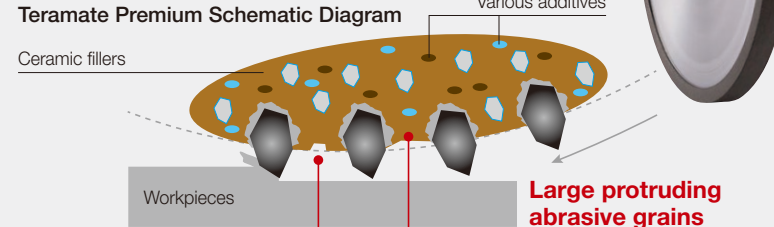


High cutting depth contributes to **improved productivity** and supports **mirror machining for precision molds**

Binder with both cutting ability and abrasion resistance

- Improved cutting ability
- Improved retention of cutting ability
- Suppression of abrasive grain drop due to bonding agent degradation

Teramate Premium Schematic Diagram



Structure that prevents abrasion

Suppression of thermal degradation of binder



Scan here for more detailed evaluation examples

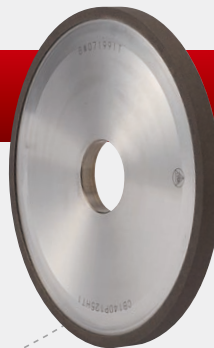


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Metal Diamond Wheel **Teramate MT3**



Tools Tools for flute (groove) grinding



Excellent cutting ability and durability and improved wheel life contribute to **shorter cycle time** and **reduced tool costs**

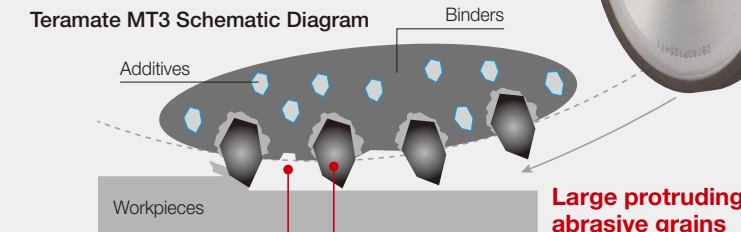
Abrasive grains with better crushability

- Improved retention of cutting ability

Binder with better retraction

- Improved cutting ability
- Suppression of heat generation

Teramate MT3 Schematic Diagram



Structure that prevents abrasion

Maintains sharp edges

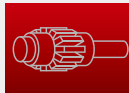


Scan here for more detailed evaluation examples



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Diamond Dresser **UP Dresser Premium**



Automobiles For grinding gears



The high-precision shape and high hardness plating with better diamond retention, contributing to **improved gear tooth surface precision** and **longer life time**

Improved base shape precision

- Higher precision of dresser shape

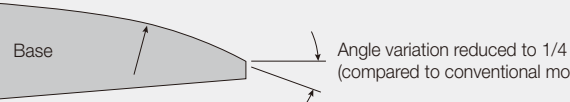
High hardness plating

- Improved diamond retention

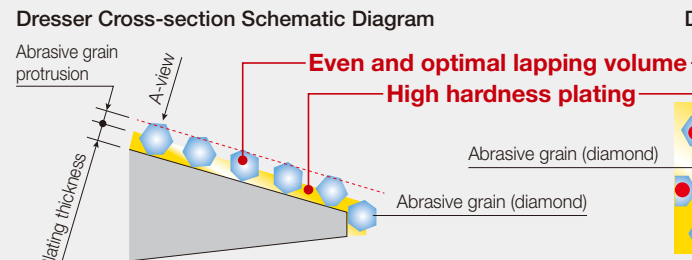
Optimization of lapping volume

- Extends life by optimizing diamond working area

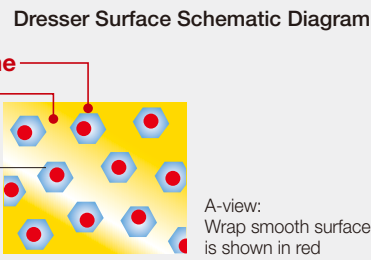
Improvement of R dimension and angular precision
R dimension variation reduced to 1/6(compared to conventional models)



Dresser Cross-section Schematic Diagram



Dresser Surface Schematic Diagram



Scan here for more detailed evaluation examples

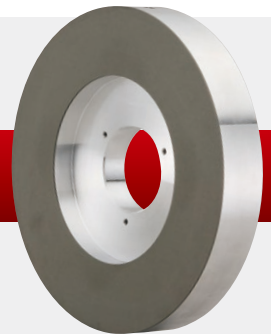


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Resin CBN Wheel **Revomate**



Machine parts Bearings, compressor parts, etc., for double-headed surface grinding



Excellent cutting ability and durability enable **stable machining** and the extended tool lifetime contributes to **reduced tool costs**

Newly developed binders

- Improved binder retraction
- Improved cutting ability
- Enhanced Abrasive Grain Retention

Improved abrasive grain dispersion

- Grinding load uniformity
- Suppression of uneven wear

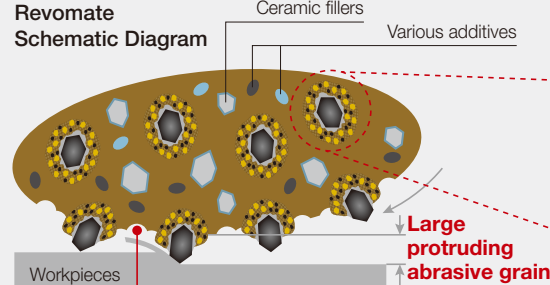


Scan here for more detailed evaluation examples



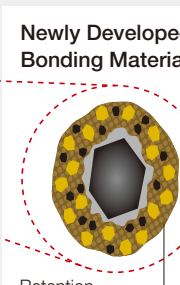
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Revomate Schematic Diagram



Structure that prevents rubbing

Newly Developed Bonding Material

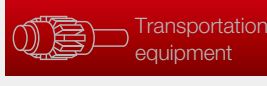


Retention-Enhancing Layer

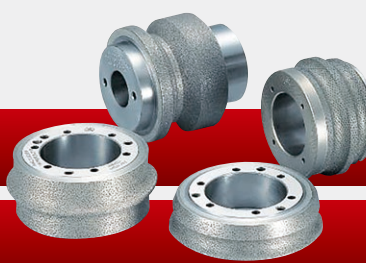
Rotary Dresser



Machine parts Bearings, ball screws, linear guides, etc.



Transportation equipment Aircraft parts, reduction gear parts, etc.



Select the dresser specifications that best suit your usage conditions from our extensive lineup, which will contribute to **dresser resistance reduction** and achieve **high-precision molding**



Scan here for more detailed evaluation examples



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