

Drill (Carbide) Relief grinding Sintering **Peripheral grinding** Step grinding Flute grinding **Point grinding Cutting edge grinding** (Peripheral relief grinding) Complete Flute grinding Relief grinding Peripheral grinding Step grinding Point grinding **Cutting edge grinding** (Peripheral relief grinding) Cylindrical grinding Cylindrical grinding Centerless grinding Cylindrical grinding (Plunge grinding) (Traverse grinding) Due to the difference in stock The workpiece can bend easily due Large depth of cut and high grinding removal at the entrance and exit, The wheel tends to lose shape Large depth of cut The wheel tends to lose shape Requires a smoother surface finish Requires a smoother surface finish to the supports at either end force the wheel wears unevenly Finding a balance between holding Loss of wheel shape and grinding Achieving both the desired cutting Achieving both the desired cutting Difficult to ensure workpiece Traverse marks, grinding burn and Decrease in grinding effeciency Variation in workpiece accuracy wheel shape and maintaining easy loss of wheel shape ability and workpiece quality ability and workpiece quality straightness burn dressability **Proposal Proposal Proposal Proposal Proposal Proposal Proposal** Proposal Grinding wheel Rough BEL Series (Diamond/CBN wheel for M60 Series (Diamond/CBN wheel) electrical discharge dressing) Standard specification: Standard specification: BWC Wheel Besler Wheel MDL Wheel Besler Wheel Besler Wheel Besler Wheel SD 200 N 120 M60 Rough :SDC 125 ∼ 325 S-BEL5 (Diamond/CBN wheel) (Diamond/CBN wheel) (Diamond/CBN wheel) (Diamond/CBN wheel) (Diamond/CBN wheel) (Diamond/CBN wheel) Finish: SDC 400 \sim 1000 S-BEL5 Standard specification: Standard specification: Standard specification: Standard specification: Standard specification: Standard specification: Finish: Rough :SDC 140 ~ 700 N 75 BWC SDC 230 P 100 BX341 SD 140 ~ 400 L 60 MDL36 SDC 230 P 100 BX341 SDC 200 ~ 600 P 100 BX331 SDC 400 \sim 600 P 100 BX341 B33 Wheel **BT** Series (Diamond/CBN wheel) Finish: SDC 800 \sim 1000 P-BWCF (Diamond/CBN wheel) Standard specification: Standard specification: Rough :SDC 270 ~ 325 P 75 B33 SDC 600 \sim 800 J 100 BT50 Finish: SDC 400 ~ 1000 P 75 B33 Coolant Noritake Cool Noritake Cool Noritake Cool Noritake Cool ハタケクール Noritake Cool Noritake Cool ハッタケクール N-60TCS N-60TCS N-60TCS N-60TCS N-60TCS N-60TCS (Water base coolant) Filtration equipment

Centrifugal

NCX type

Centrifugal

NCX type

Centrifugal

NCX type

Centrifugal

NCX type

01

Centrifugal

NCX type

Centrifugal

NCX type

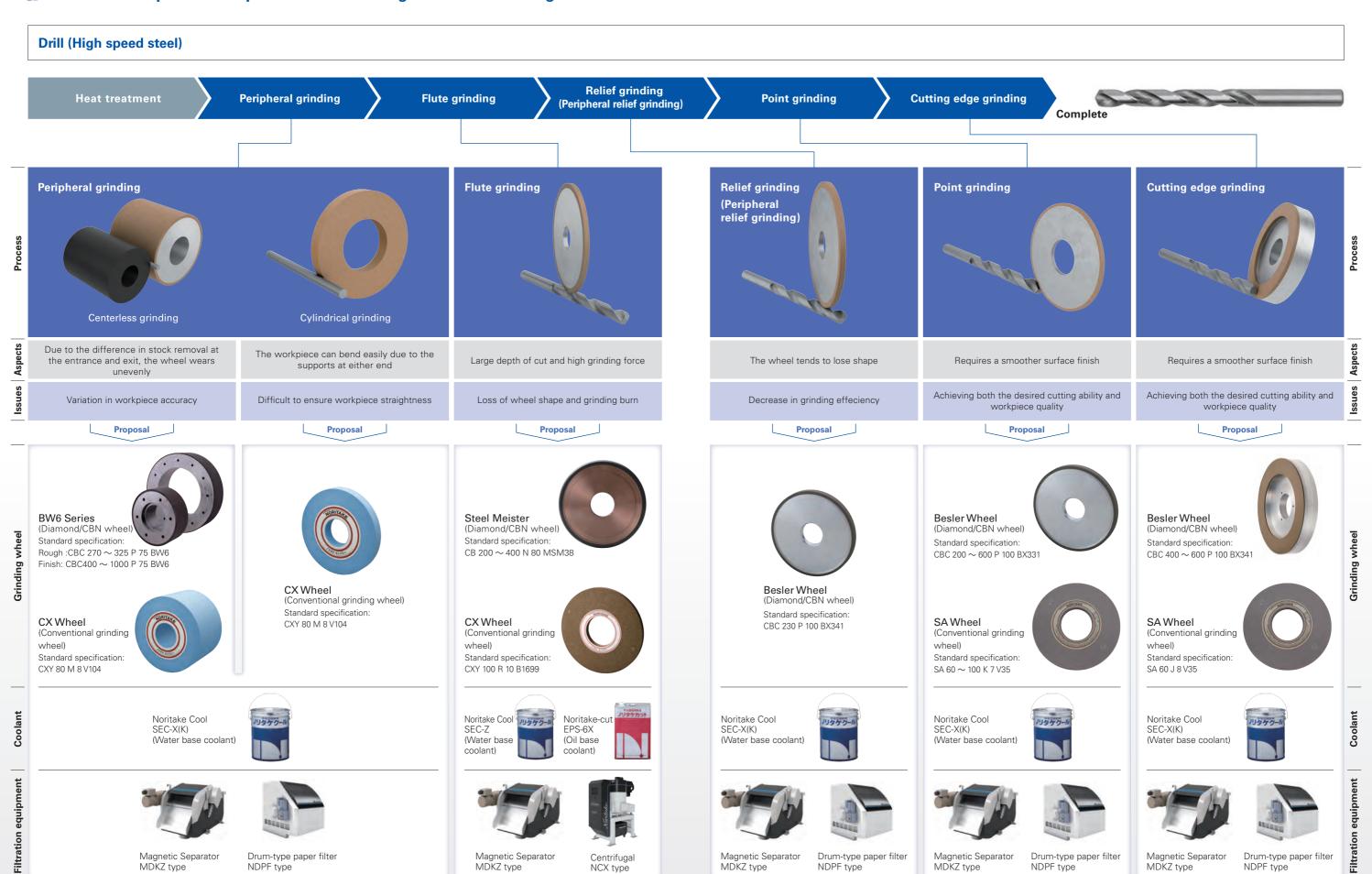
Coolant

NDPF type

MDKZ type

NCX type

MDKZ type



NDPF type

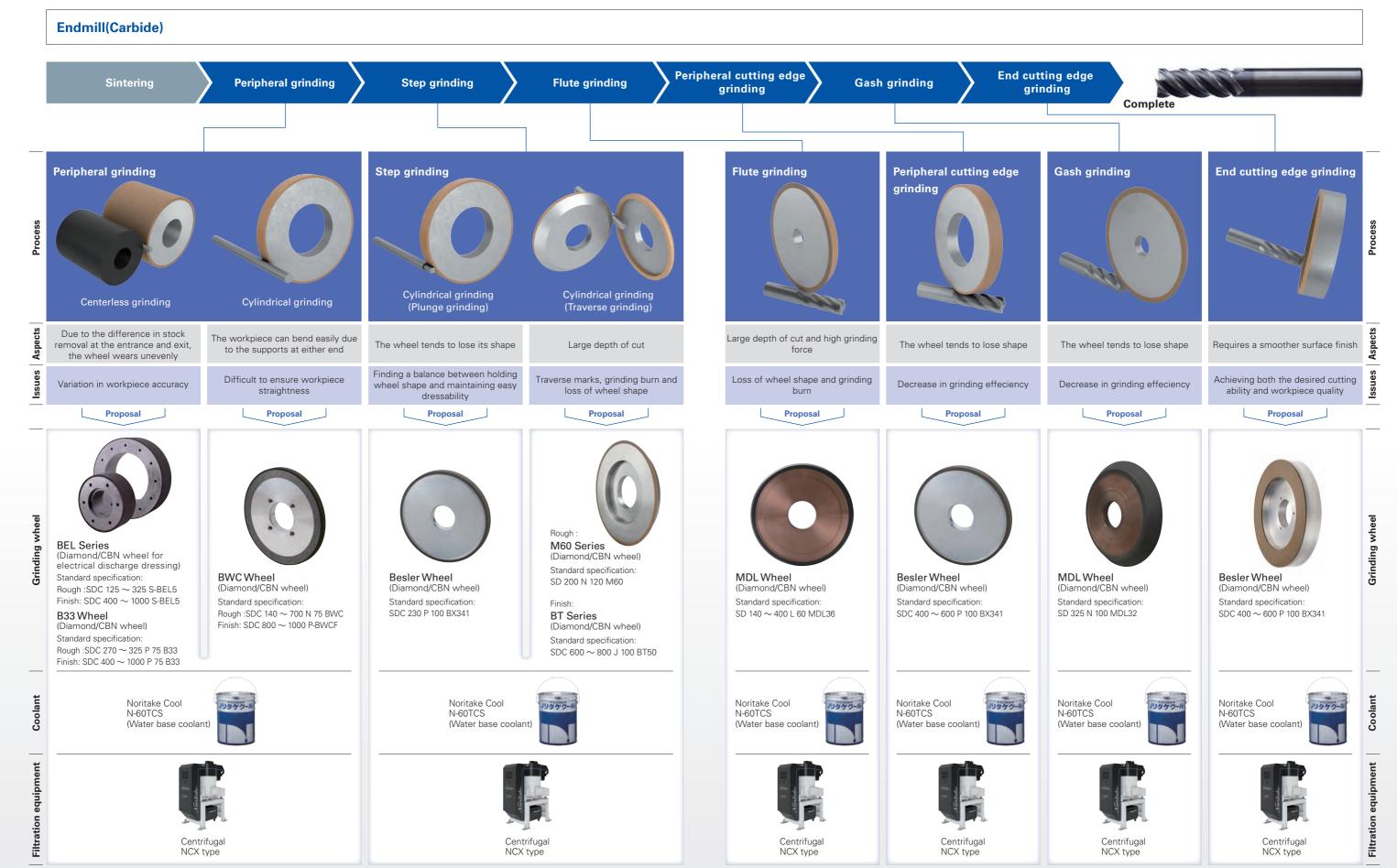
MDKZ type

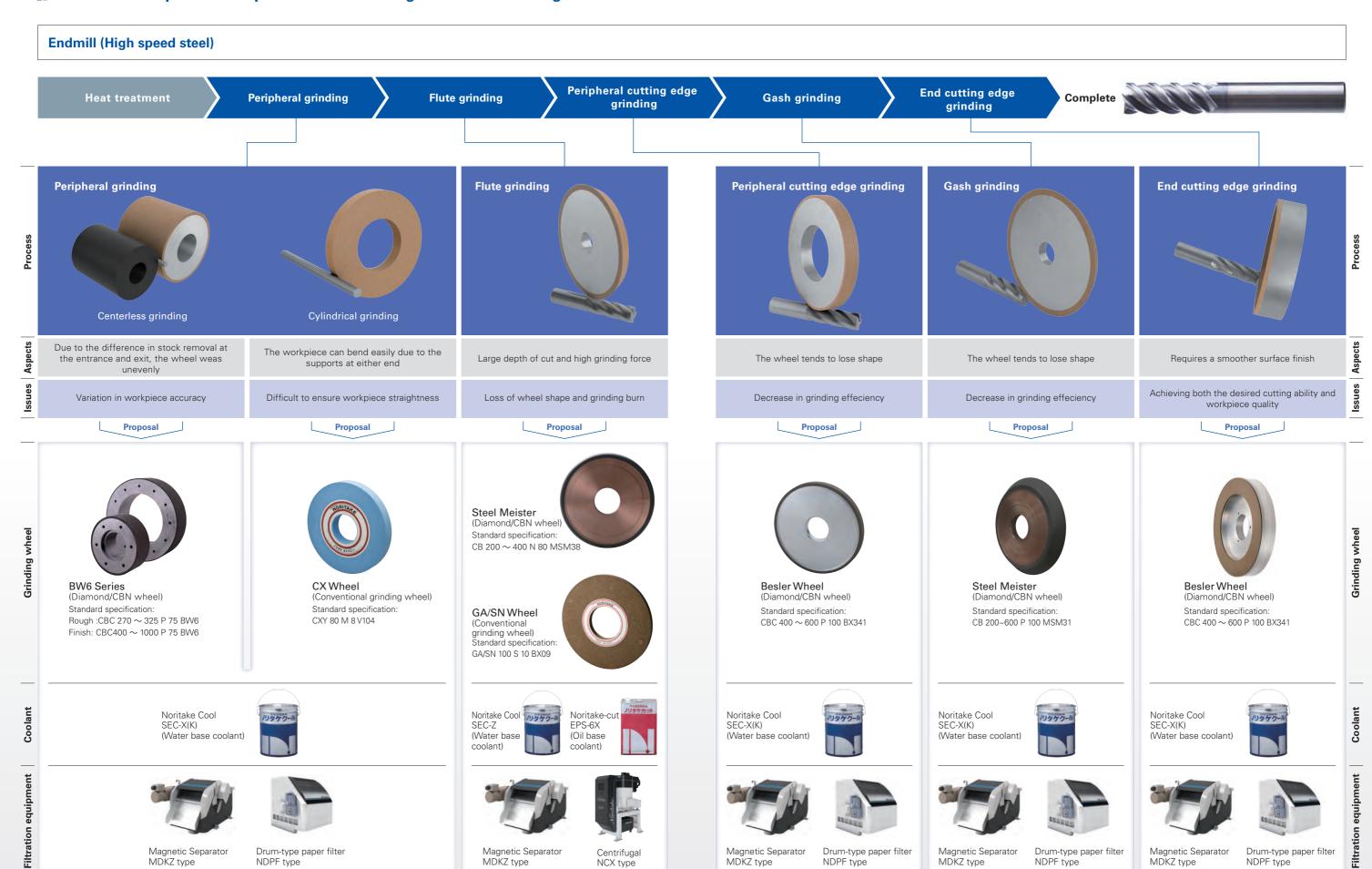
NDPF type

MDKZ type

NDPF type

MDKZ type





Centrifugal

NCX type

MDKZ type

Magnetic Separator

MDKZ type

NDPF type

Magnetic Separator

NDPF type

MDKZ type

Magnetic Separator

MDKZ type

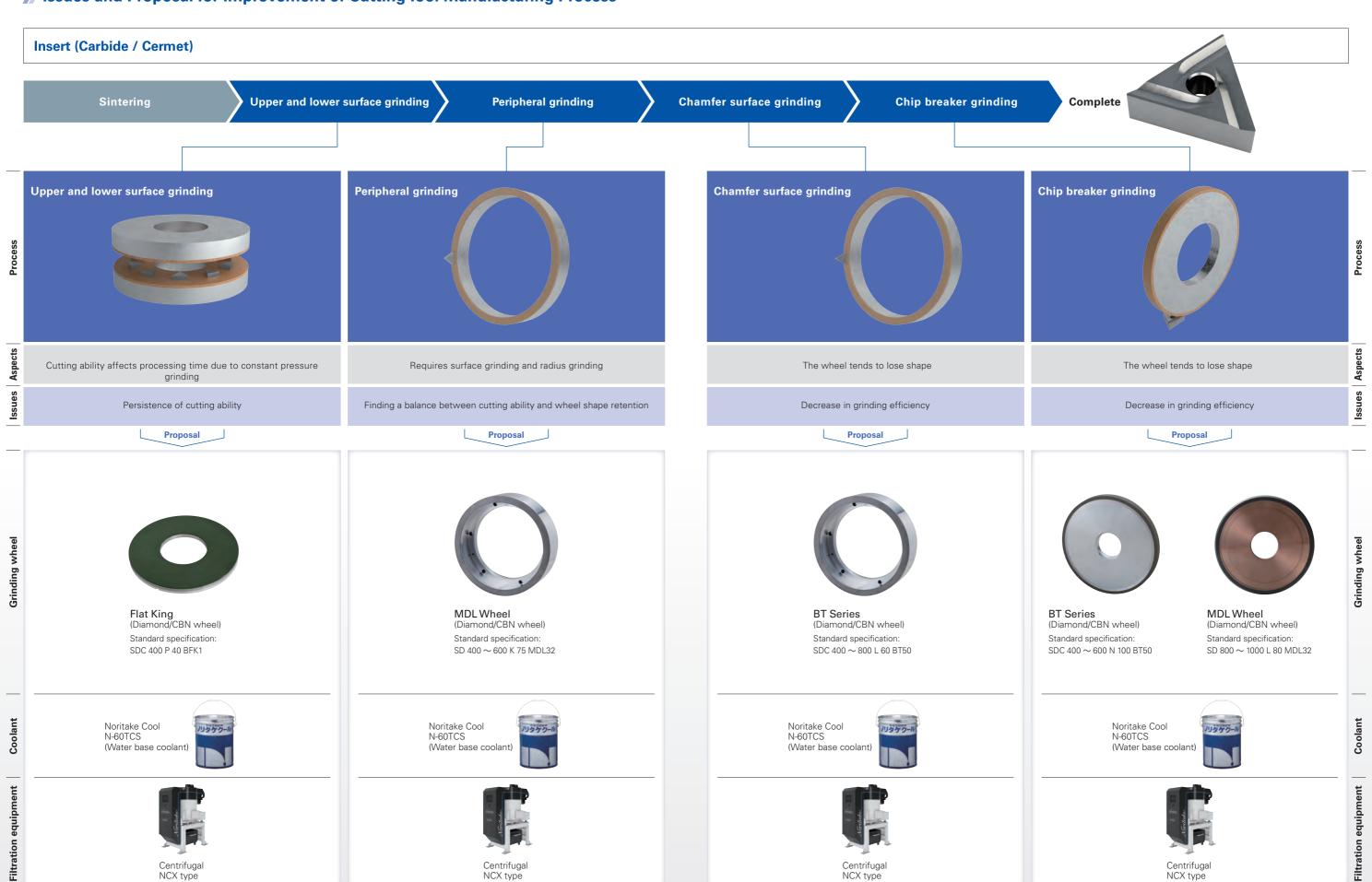
NDPF type

Drum-type paper filter

NDPF type

Magnetic Separator

MDKZ type



Magnetic Separator MDKZ type

Centrifugal

NCX type

Magnetic Separator

MDKZ type

Centrifugal

NCX type

Tap (High speed steel) **Heat treatment Peripheral grinding Thread grinding Chamfer grinding** Flute grinding Complete Peripheral grinding Flute grinding Thread grinding **Chamfer grinding** Centerless grinding Cylindrical grinding Aspects The workpiece can bend easily High grinding force Large stock removal and high grinding efficiency Uses a profiled wheel to shape the thread's root Clogging or glazing occur easily on the grinding wheel surface due to the supports at either end Finding a balance between cutting Difficult to ensure workpiece Griniding burn and loss of wheel shape Griniding burn and loss of wheel shape Chatter ability and wheel shape retention straightness Proposal Proposal Proposal **Proposal Proposal** ■For large tap diameter Besler Wheel (Diamond/CBN wheel) Standard specification: CBC 120 R 100 BX341 Grinding wheel WA Wheel (Conventional grinding wheel) Standard specifications: CX Wheel **BW4 Series** SN Wheel WA 600 O 11 VT (Pitch \sim 0.5) (Conventional grinding wheel) (Diamond/CBN wheel) (Conventional grinding wheel) WA 400 L 8 V33 (Pitch 0.5) Standard specification: Standard specification: Standard specification: WA 320 K 8 V33 (Pitch 0.75 to 1) CXY 80 M 8 V104 CBC 120 N 75 BW4 SN 120 M 7 V53 ■For straight flute ■For spiral flute WA 220 J 7 V35 (Pitch 1.25 to 2) Standard specifications: Standard specification: SN 100 S 10 BX09 WA 120 J 7 V35 (Pitch 2.5 to 6) SN 80 J 8 V55 Specifications for durability: SN 100 Z 10 BMK3 WA 80 J 7 V35 (Pitch 6 \sim) CXZ 80 J 8 V104 Coolant Coolant Noritake-cut Noritake-cut Noritake-cut Noritake-cut EPS-6X EPS-6X EPS-6X EPS-6X (Oil base coolant) (Oil base coolant) (Oil base coolant) (Oil base coolant) Filtration equipment

Magnetic Separator

MDKZ type

Centrifugal

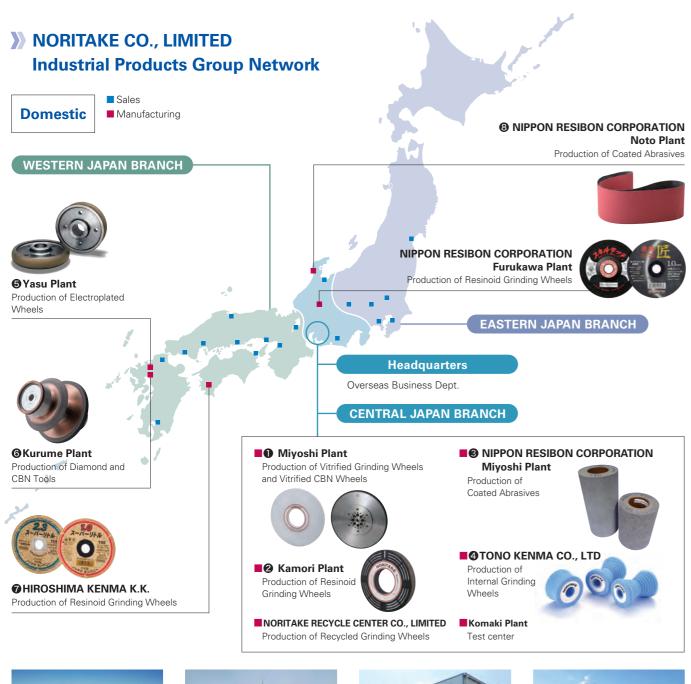
NCX type

Magnetic Separator

MDKZ type

Centrifugal

NCX type





●Miyoshi Plant



2Kamori Plant



3NIPPON RESIBON CORPORATION



4TONO KENMA CO., LTD



Yasu Plant



6Kurume Plant



7HIROSHIMA KENMA K.K.



3NIPPON RESIBON CORPORATION Noto Plant

ISO certification acquisition status

ISO9001:All NORITAKE Manufacturing Bases, NIPPON RESIBON ISO14001:NORITAKE Headquarters, All NORITAKE Manufacturing Bases, HIROSHIMA KENMA K.K., NORITAKE RECYCLE CENTER, ZEN NORITAKE Headquarters

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Production of Electroplated Wheels and CBN Tools

PDIA RESIBON (THAILAND) CO., LTD. SIAM COATED ABRASIVE CO., LTD.



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ISO certification acquisition status

ISO9001: NORITAKE SA (THAILAND), NORITAKE ABRASIVES (SUZHOU), SIAM COATED ABRASIVE, DIA RESIBON (THAILAND) ISO14001: SIAM COATED ABRASIVE



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