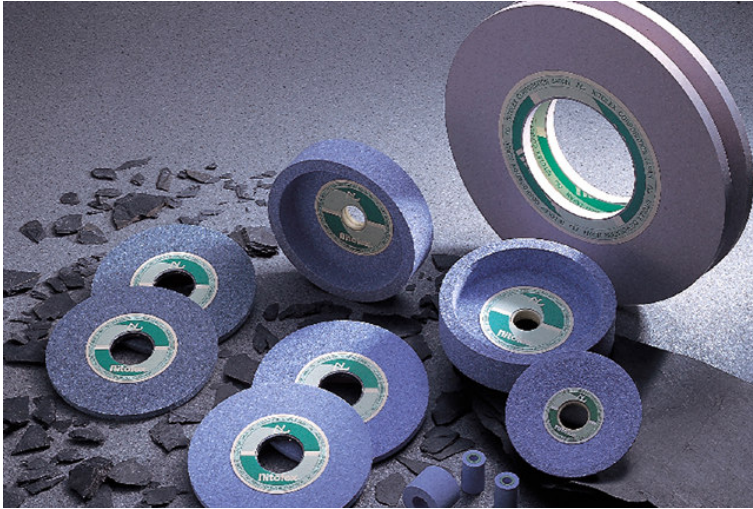


NX GRINDING WHEELS



NEW CERAMICS GRAIN

■□■ NX / NX2

NX grain is new type of aluminum oxide which made up of a very small polycrystalline microstructure.

NX differs from conventional aluminum oxide which is fused and mostly monocrystalline.

Owing to its polycrystalline microstructure, only a small volume of the grit wears away under grinding forces.

The grit maintains its sharpness and gives above 4 times the life of conventional wheels. Which offers dramatically longer life, better performance and higher productivity.

NX2 grain fractures easily due to the monocrystalline aluminum oxide which is added to the special ceramics. Therefore the grit maintains its sharpness as NX grain. It offers good performance and much lower grinding cost.

ADVANCED BOND SYSTEM

We developed the unique NX/NX2 bond based new ceramic grinding technology. NX/NX2 bond system is an advanced performance new type of grain. We are able to choose the most suitable bond for each grinding conditions. We produce Vitrified bond wheels and Polynoid (Resinoid) bond wheels.

1 Greater stock removal

Lower grinding force and increased productivity.

2 High surface quality

Less deposition and cooler cutting with fewer rejects due to heat damage.

3 Higher form accuracy and dimensional accuracy

Reduced cycle time and increased productivity due to toughness and self-sharpening features.

4 Long life

Dressing interval is up to 2 times that of conventional grinding wheels, dressing stock removal is less than a third that of a conventional grinding wheels.



NX BOND

Vitrified bond

BOND	TYPE	NOTE
· V	· Standard	· For wet & dry grinding
· VX2	· High strength	· Alloy steels hardend steels
· VP	· Fragile	· Nonferrous metals Non-hardend steel

Polynoid bond

BOND	TYPE	NOTE
· B	· Standard	· For wet & dry grinding
· BX2	· For wet grinding	· Roll grinding double-disc surface grinding
· PO9G	· Long life	· Heavy load grinding

NX WHEEL

Grain	Type	Material	Grinding
· NX(2)H	· Tougher	· <HRc 60 hardend steels	· Groove Threat Angular Plunge
· NX(2)	· Standard	· All kind steels	· External cylindrical Centerless
· NX(2)L	· Weaker	· >HRc 50 soft steels	· Surface Internal