

NEXT GENERATION INNOVATION

NORTON QUANTUM X IS A REVOLUTIONARY WHEEL - BEYOND THE RECOGNISED LIMITS OF PERFORMANCE GRINDING.

By combining three of the very best Norton technologies we have created Norton Quantum X to bring you unrivalled value and performance, creating the ultimate grinding experience.

Norton Quantum X is created with patented Norton Quantum and Norton 3D engineered grain spacing, combined with the revolutionary Vitrium bond innovation, resulting in a grinding wheel that provides maximum performance, raised productivity and reduced process costs.

NORTON QUANTUM X COMBINED TECHNOLOGY.



Quantum is a 3D engineered grain spacing, highly porous and permeable structure that maximises coolant access in the grinding zone.

PROVIDES A COOL AND LOW STRESS CUT



Norton Quantum ceramic grain was derived from Norton patented Sintered-Gel technology. The revolutionary ceramic grain multiplies the cutting efficiency by controlling the grain break-down at microscopic level.

PROVIDES A PERFECT BLEND OF STRENGTH AND TOUGHNESS



Vitrium is a new generation revolutionary bond featuring exclusive Norton chemistry that delivers an entirely new grain adhesion system.

ALLOWING US TO ADDRESS DIFFICULT TO ADDRESS REPAIR APPLICATIONS.



HIGHLY POROUS WHEEL WITH
HIGHER MATERIAL REMOVAL,
EXCEPTIONAL COOL DRINKING
AND REDUCED CYCLE TIMES
IN HEAT AND STRESS
SENSITIVE PROCESSES.



MULTIPLE INDUSTRIES.

- Gear
- Aerospace and land turbine components
- Bearing
- Tools
- General engineering

SPECIALISED APPLICATIONS.

- Areas of high material removal
- Heat sensitive and difficult to grind alloys
- Thin wall parts sensitive to deformation



NORTON QUANTUM X PRODUCT AVAILABILITY.

	DESIGNATION	DESCRIPTION
BRAND TYPE	QUANTUM X	30 or 50% Norton Quantum ceramic grain
GRAIN SIZE RANGE	30/40/50/60/70/80/90	
GRADE	C to L	
STRUCTURE	14	↑ More open structure for improved form holding and wheel wear
	20	
	24	
	30	
BOND TYPE	V504	Latest generation Vitrium bond
COLOUR	White	

GROUND BREAKING BENEFITS.

FAST OPERATIONS -

Highly permeable ceramic spacing offers cutting efficiency and cycle time reduction.

LOW FORCE CUTTING -

Low threshold power of Norton Quantum is a homogeneous, porous structure reduces the cutting forces - resulting in lower stress and friction for better part quality, consistent cut and less dresser wear.

COMPETITIVE PRICE -

Norton Quantum X is positioned at a **competitive price** compared to other products in the market, providing **valuable cost savings**.