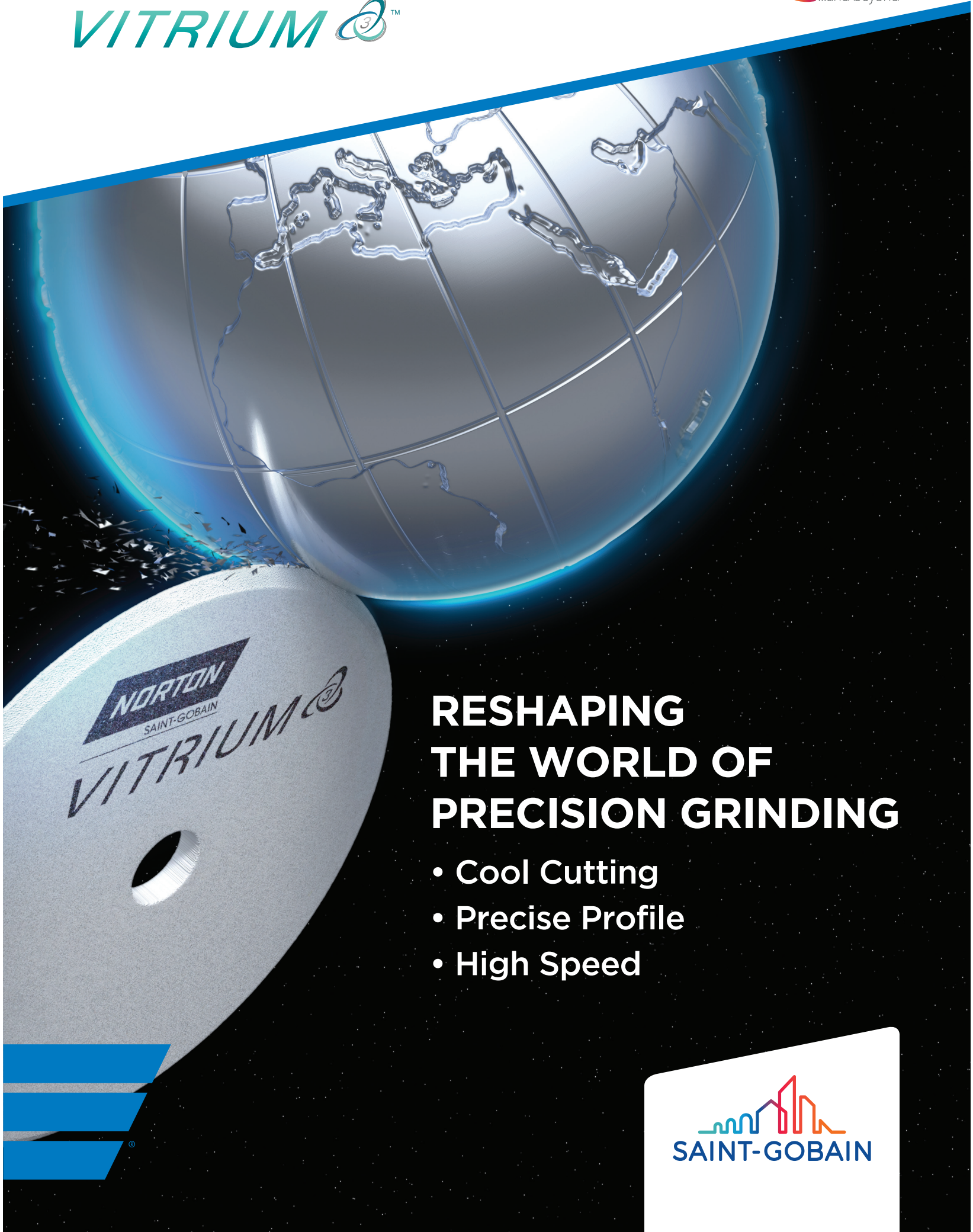


**NORTON**<sup>®</sup>

SAINT-GOBAIN

**VITRIUM** ™

Transforming  
surfaces  
...and beyond



# RESHAPING THE WORLD OF PRECISION GRINDING

- Cool Cutting
- Precise Profile
- High Speed



# A revolutionary bond that lowers your process cost in 3 ways

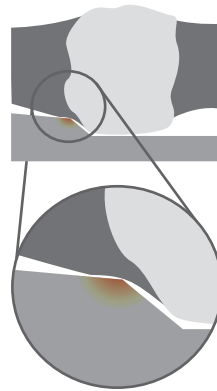


## Cool Cutting

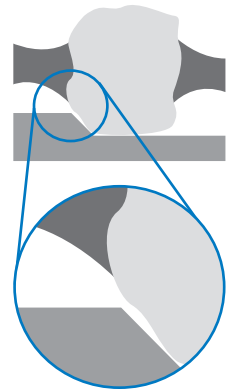
An improved holding power utilising less bond-to-abrasive ratio exposes a larger grain surface area. This enables the wheel to cut freely, improving cut rate. The reduced bond-part interaction also minimizes heat build-up, reducing burn and power consumption and grinding forces on the part. Thinner bond posts enable better coolant flow and chip clearance for a cooler cut and improved part quality.

**Use Vitrium<sup>3</sup> to improve part quality and ensure part integrity.**

STANDARD BOND BOND-PART INTERACTION



VITRIUM<sup>3</sup> BOND BOND-PART INTERACTION

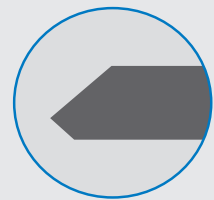


## Precise Profile

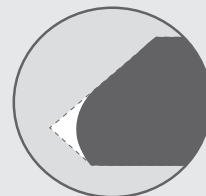
Vitrium<sup>3</sup> provides superior grain holding properties than that of any other bond, significantly improving wheel form and corner holding. This reduces dressing time, dresser wear and dresser replacement requirements.

**Vitrium<sup>3</sup> considerably reduces unit process cost.**

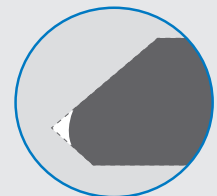
PROFILED WHEEL BEFORE GRINDING



AFTER 5 GRINDING CYCLES



STANDARD WHEEL



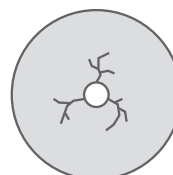
VITRIUM<sup>3</sup> WHEEL

## High Speed

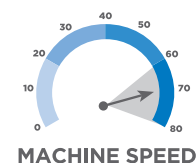
The Norton Vitrium<sup>3</sup> bond provides the ultimate wheel strength. This allows lighter construction and high speed operation. Machines can work at higher feed rates, speed and pressure, significantly increasing production with existing equipment.

**Vitrium<sup>3</sup> maximizes equipment utility to improve your process and throughput.**

STANDARD WHEEL

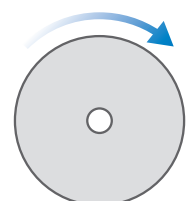


STOP THE MACHINE



MACHINE SPEED

VITRIUM<sup>3</sup>



CONTINUE GRINDING

## GRINDWELL NORTON LTD.

5<sup>th</sup> Level, Leela Business Park, Andheri-Kurla Road, Marol, Andheri (East), Mumbai - 400059, Maharashtra.

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