

NORTON

**DIAMOND VITRIFIED
VRF BOND WHEELS
FOR ROUGHING AND
FINISHING POLYCRYSTALLINE**

**Achieve Better Edges Faster
with a Wheel that Outlasts
the Competition**



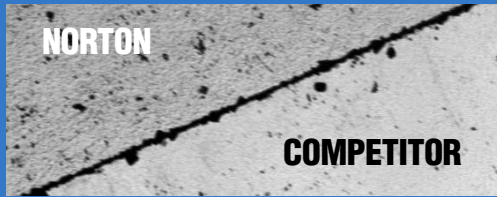
www.nortonabrasives.com

- 30% LESS GRINDING TIME
- 50% LESS WHEEL WEAR

DIAMOND VITRIFIED VRF BOND WHEELS

Longer Lasting and Faster Cutting Than Any Currently Available Superabrasive Wheel for PCD and PCBN Grinding

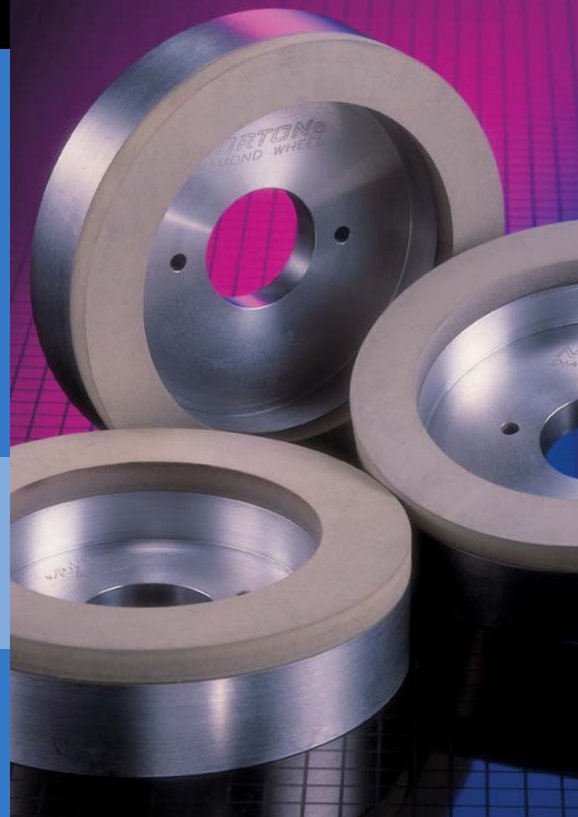
The new Norton VRF wheels can help you significantly lower your grinding costs per part by allowing you to produce more superior edges in less time. You can generate up to two times better edge quality with one VRF wheel that does both roughing and finishing operations.



MICROSCOPIC VIEW OF CUTTING TOOL EDGES

SINGLE NORTON VITRIFIED ROUGHING AND FINISHING WHEEL GENERATES SUPERIOR CUTTING EDGE VERSUS COMPETITIVE TWO-WHEEL OPERATION.

In on-the-job tests, the new VRF wheels achieved less flaking and chipping on CVD, and hard grade PCD inserts. An additional benefit of using one wheel for roughing and finishing is less chance of error when changing over wheels.



Suggested Starting Operating Parameters for both PCD and PCBN

	WHEEL SPEED	GRINDING PRESSURE	DRESSING STICK
Coborn RG6	1900 RPM	5+	400-600 grit roughing
	1900 RPM +	5+	800 grit finishing
Ewag RS12	1900 RPM roughing	400 Newtons	400-600 grit roughing
	2200 RPM finishing	400 Newtons	800 grit finishing
Ewag RS09	1900 RPM roughing	85-90 psi	400-600 grit roughing
	2200 RPM finishing	85-90 psi	800 grit finishing

Availability PCD1200VRF

3/4" RIM WIDTH	1" RIM WIDTH
6" x 1-1/2" x 40mm 6A2HA	
UPC #66260259642	UPC #66260259641
ME178318	ME176936
6" x 1-7/8" x 40mm 6A2HA	
UPC #66260260043	UPC #66260260044
ME178409	ME178410

THESE WHEELS FIT BOTH THE EWAG AND COBORN MACHINES.

case history



ON PCD	WW / TOOL	GRIND TIME	WW	TIME	EDGE
Competition 800	0.0035"	3:09 min.	100%	100%	Good
PCDF1200VRF	0.00021"	2:16 min.	60%	70%	2X better
Competition 1000	0.00064"	3:42 min.	100%	100%	Good
PCDF1200VRF	0.00043"	2:48 min.	50%	70%	Equal Edge

Best

For most abrasive applications, Norton offers up to three product performance levels – GOOD, BETTER and BEST. Norton Diamond Vitrified VRF Bond Diamond Wheels are in the BEST tier. They represent products that are unmatched in the industry and provide the lowest total cost for the application.

To put Norton abrasives to work, contact your local Norton distributor. Call (508) 795-5000 or email us at buynorton@nortonabrasives.com and we'll put you in contact with your local Norton industrial distributor. Or, visit our website at www.nortonabrasives.com to view our online catalog and learn about our latest products and applications.

NORTON

YOUR SOURCE FOR COST SAVING ABRASIVE SOLUTIONS™

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