

NORTON

SAINT-GOBAIN

WINTER

CASE STUDY #1

Norton Winter V-Prime
3/4" 4-Flute Carbide End Mill

APPLICATION: **OD AND END TOOTH CLEARANCE RADIUS GRINDING**

v-Prime

THE CUSTOMER'S CHALLENGE

A major manufacturer of carbide end mills was looking to reduce cost and improve performance in their existing grinding operation while maintaining or improving surface finish.

COMPONENT: 3/4" 4-Flute Carbide End Mill, 1-5/8" length
MACHINE TYPE: Walter Helitronic
COOLANT: Oil

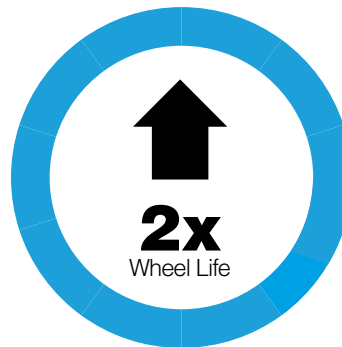
INCUMBENT INFORMATION
Incumbent Wheel: Competitive 11V9 wheel, 100mm

vs.

NORTON WINTER PRODUCT INFORMATION
V-Prime Wheel: 11V9, 100mm x 35mm x 1-1/4"
Spec: D54V-PRIME5406 H-1/8

Norton Wheel Achievements

- 2X better wheel life than the competition
- 3X better form holding compared to the competition
- Improved surface roughness



FORM #8869

© Saint-Gobain September 2020. Norton and Norton Winter are trademarks of Saint-Gobain Abrasives. All other trademarks are respective of their owners.

www.nortonabrasives.com

NORTON

SAINT-GOBAIN®

WINTER

CASE STUDY #2

Norton Winter V-Prime
9-25 mm Drills

APPLICATION: **STEP DRILL REGRIND**

v-Prime

THE CUSTOMER'S CHALLENGE

A company specializing in manufacturing and regrinding of high performance round tools tested the new Norton Winter V-Prime wheel to evaluate its performance and wheel life compared to their incumbent wheel.

COMPONENT: 9-25 mm drills
MACHINE TYPE: Anca MX7
COOLANT: Oil

INCUMBENT INFORMATION

Incumbent Wheel: Competitive 11V9 wheel

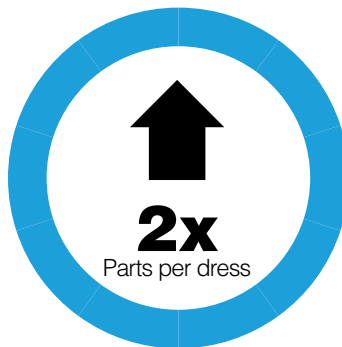
vs.

NORTON WINTER PRODUCT INFORMATION

V-Prime Wheel: V-Prime 11V9, 5" x 1 3/4" x 1 1/4"
Spec: D54V-PRIME5406 H

Norton Wheel Achievements

- 2X more parts per dress compared to the competition
- Improved overall cycle time
- 2X form holding compared to the competition



“ The Norton wheel held up exponentially better! ”

FORM #8869

© Saint-Gobain September 2020. Norton and Norton Winter are trademarks of Saint-Gobain Abrasives. All other trademarks are respective of their owners.

www.nortonabrasives.com

SAINT-GOBAIN