

**NORTON**

SAINT-GOBAIN

**WINTER**

## CASE STUDY

### Norton Winter Metal Bond Diamond Cup Wheels

APPLICATION: **FLAT GLASS EDGE GRINDING AND POLISHING**  
 MARKET: **STRAIGHT LINE EDGERS**

#### THE CUSTOMER'S CHALLENGE

A glass manufacturer was looking for new abrasive solutions to improve the grinding and edge polishing process time and thus increase production.



MATERIAL: Laminated Glass  
 DIMENSION: 600 x 1000 mm  
 THICKNESS: 44.2 mm  
 STOCK REMOVAL: 2 mm  
 SURFACE ROUGHNESS: High polish finish  
 MACHINE: Lattuada TLR 11AV  
 COOLANT: Water  
 DRESSER: No dressing required

#### COMPETITOR:

DIMENSION: 150 x 15 x 8 mm  
 SPECIFICATION: 36 Segments

#### NORTON:

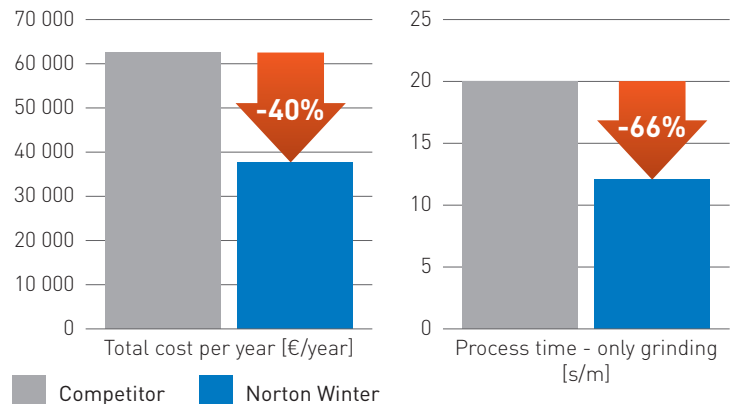
PRODUCT: Norton Winter Metal Bond Diamond Cup Wheels  
 SHAPE AND DIMENSION: BZ222-150-10-15 22\*D151 X200GM-S  
 WHEEL SPEED: 2800 RPM  
 PROCESS PARAMETERS: Traverse Speed 5m/M

#### RESULTS

- **66% reduction in process time**
- **40% reduction in process cost.**
- **No initial dressing needed**

The improvements **saved** the manufacturer approximately **20,000 EUR**, thanks to the savings in production time, reduced labour costs and mitigating the need for immediate capital investment in new machinery.

Thanks to increasing the traverse speed by 2m/min, the customer was able to produce an extra 297 pieces of glass per eight- hour shift.



The optimum results are only achievable by utilising  
**a complete Saint-Gobain solution:**

**Norton Winter Metal Bond Diamond Cup Wheels**  
 for straight line edge grinding.

**Norton Winter FIVEP polishing wheels**  
 to complement the removal stations and provide a high gloss finish.

**SAINT-GOBAIN**

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[www.youtube.com/NortonAbrasiveSEMEA](http://www.youtube.com/NortonAbrasiveSEMEA)

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 THE SYMBOL OF SAFETY

**SEAM**  
 Sustainable European Abrasive Manufacturers