

NORTON

SAINT-GOBAIN

WINTER

CASE STUDY

Increase production throughput
using Norton Winter Core Drills

APPLICATION: **FLAT GLASS DRILLING**
MARKET: **CONSTRUCTION GLASS APPLICATION**



THE CUSTOMER'S CHALLENGE

Increase production throughput to meet tight construction deadlines.

MATERIAL: Float Glass
DIMENSION: 1000 x 1000 mm
THICKNESS: 4 mm
REQUIRED SURFACE QUALITY: No chipping

MACHINE: FORVET
COOLANT: Water
DRESSER: Slab

COMPETITOR:
DIMENSION: 7 x 95 x G1/2

NORTON:
PRODUCT: Norton Winter G-Drills Slotted
SHAPE AND DIMENSION: 7 x 95 x G1/2
WHEEL SPEED: 7600 RPM
PROCESS PARAMETERS: 70 mm/min

RESULTS

COMPETITOR PROCESS: 50 mm/min
NORTON WINTER PROCESS: 70 mm/min
QUALITY OF FINISH: Good
NEW BUSINESS WIN: 300 pieces/year
PRODUCTIVITY IMPROVEMENT: **40%**



Norton Winter Core Drills achieved 70mm/min compared to the competitor's product which achieved 50mm/min. **This is a 40% productivity improvement!** The customer was able to speed up the drilling process and get an **additional 300 pieces of glass a year** without compromising the quality.



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