

VITMATE



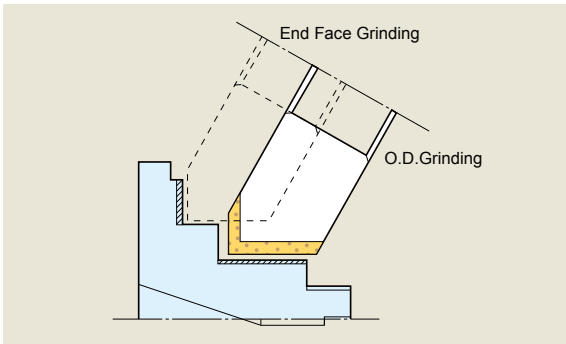
■ Features

- Achieves high efficiency and low cost grinding thanks to high grit retention
- Easy to use with improved dressing performance.

■ Applications

- Industries :** Automotive, bearing, household appliances, tools machinery, gear, mold&die
- Work piece :** Cam, crank shaft, injection needle, rocker arm, compressor, bearing, ball screw, motor, etc.

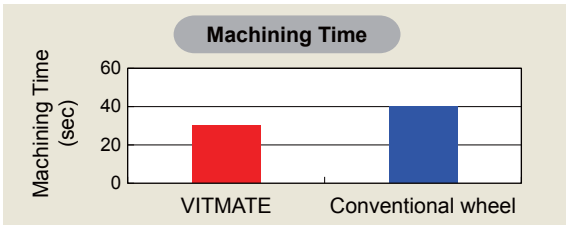
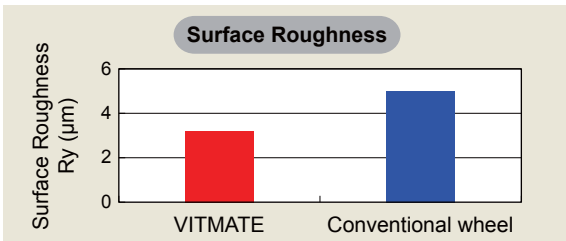
□ Angular grinding



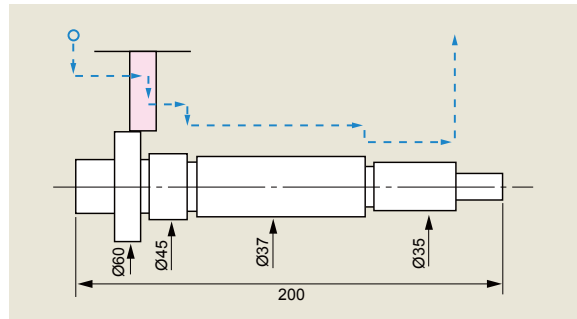
1. Conditions

- 1) Machine : Angular grinder
- 2) Wheel : Size : $\text{Ø}350 \times 22\text{U}$
Specification : BN120N175VX5
- 3) Dresser : SD40-75M
- 4) Workpiece : SCM425 (HRC60)
- 5) Conditions
Peripheral speed : 80m/s
Stock allowance : O.D. $\text{Ø}0.28\text{mm}$
End Face 0.15mm
Coolant : Water-soluble

2. Results



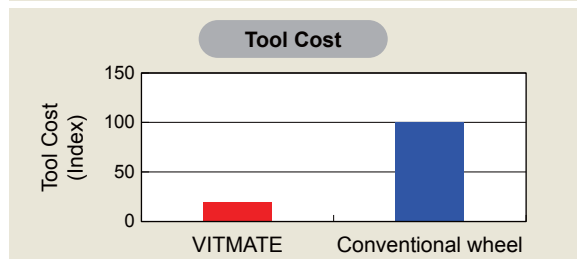
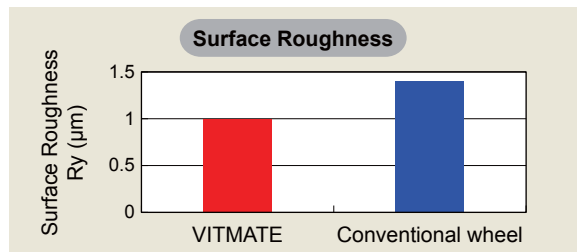
□ High-speed contouring grinding



1. Conditions

- 1) Machine : High-speed cylindrical grinder
- 2) Wheel : Size : $\text{Ø}400 \times 10\text{U}$
Specification : BN120M200VE2
- 3) Workpiece : SCM435 (HRC60)
- 4) Conditions
Peripheral speed : 160m/s
D.O.C. : $\text{Ø}0.2\text{mm}$
Feed rate : 300mm/min
Coolant : Water-soluble

2. Results



*Another company's product shown with index of 100