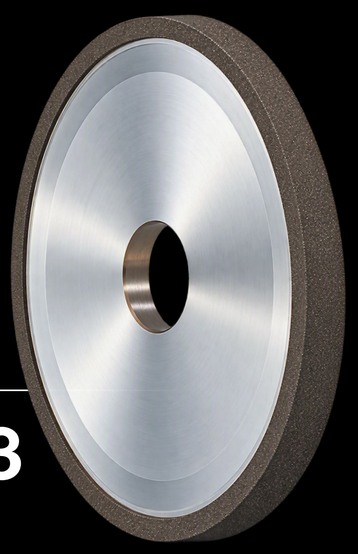
Solutions Matched to Tool Grinding

Metal Diamond Wheel

Teramate MT3



Challenges	Would like to shorten machining time?	Would like to reduce tool costs?
Solutions	Higher Feed Rates and Depths of Cut Enable High-Efficiency Grinding	Longer Wheel Life Cuts Tool Costs and Replacement Frequency by Approximately Half

CORE TECHNOLOGY

Technical features

Highly Friable Abrasive Grains — Highly Recessive Bond

Effects in grinding

Improved Retention of Cutting Ability / Improved Cutting Ability / Reduced Heat Generation

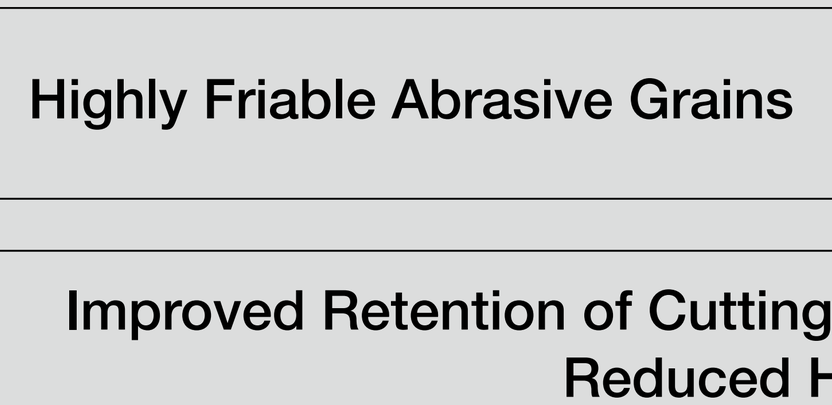
Performance data

Customer Case Study 1

Reduced Grinding Resistance

Workpiece	Cemented Carbide End Mill (φ12, Cutting Length 40L, 4 Flutes)
Machine	Tool and Cutter Grinder

Comparison of Grinding Resistance



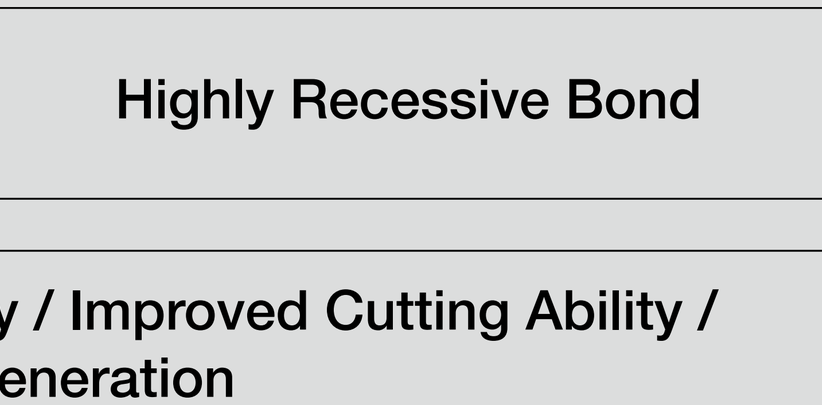
40% Reduction in Grinding Resistance (Compared with Our Conventional Product)

Customer Case Study 2

Extended Tool Life

Workpiece	Cemented Carbide End Mill (φ12, Cutting Length 40L, 4 Flutes)
Machine	Tool and Cutter Grinder

Comparison of Wear



46% Reduction in Radial Wear (Compared with Our Conventional Product)

JTEKT GRINDING TOOLS CORPORATION