

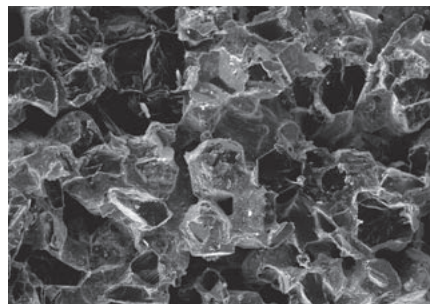
Ceramet grinding wheels in an innovative «Hybrid» bond system



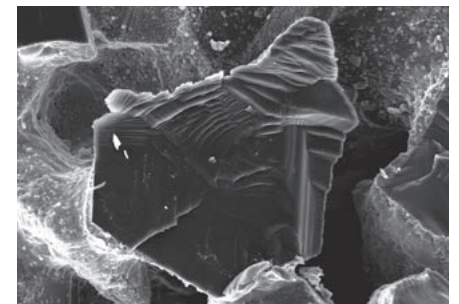
Ceramet technology combines the advantages of both the metal- and vitrified bond systems

- excellent free cutting properties due to the porous structure
- optimised grit retention resulting in excellent form holding
- multi layer system and long dressing intervals improves productivity and very long tool life

Meister Ceramet products are designed for high performance grinding applications



A cross section of a Ceramet structure: Pore volume is determined to suit grinding process



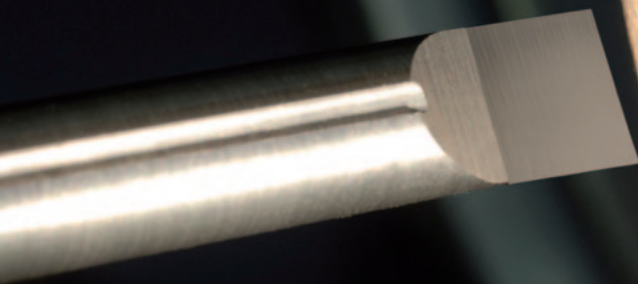
Grit retention forces allow optimum grit utilization



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Ceramet Case Study:

Tool grinding with Ceramet technology



Workpiece: ID turning tool

Material: Tungsten Carbide K10

Grinding operation: Plunge grinding of tool shape from \varnothing 4mm to \varnothing 2mm

Grinding Tool: Meister Ceramet DIA 3A1 100x10x20 X=5 U=3 D1-230-R-0-1150-150-H40-80

Machine: TTB 64 F

Result:

Dressing interval:

Meister Ceramet

Competitor

750 workpieces

330 workpieces

- dramatic reduction in machine «down time»
- enables unmanned machining
- increased profitability
- reduction in cost per part



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For more information:
www.meister-abrasives.com