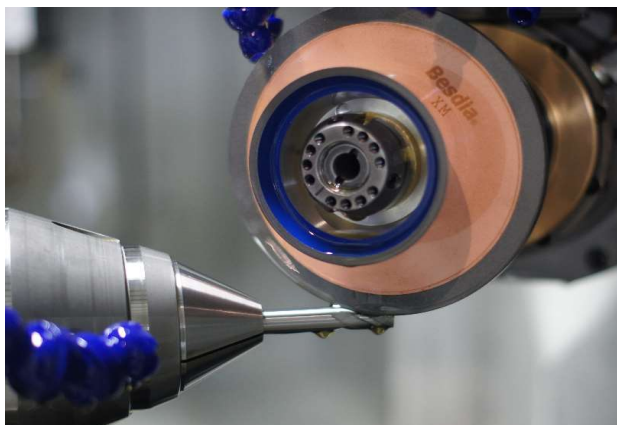


XM Hybrid Bond Grinding wheel (High Performance Fluting)

High metal bonding strength, good heat dissipation, good heat resistance and perfect shape retention make this material ideal for deep fluting, with high processing efficiency and stability. In terms of processing efficiency, product life, heat resistance, heat dissipation properties and wheel strength, it is comparable to imported grinding wheels from major brands. Its primary application is five-axis CNC tool grinding and Fluting.

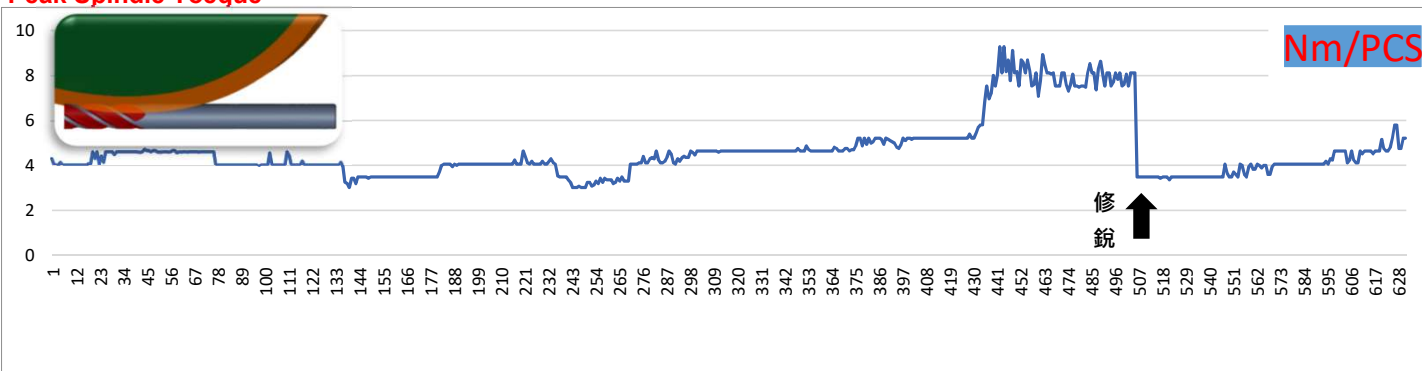


- **Ultra efficiency** : Exhibits exceptional cutting force. A single feed can reach over 3mm, improving processing efficiency significantly.
- **Ultra durability** : Fully utilizes the strength of the hybrid bonding method, exhibits good wheel shape retention and is suitable for long-term unattended processing.
- **Ultra energy-saving** : Displays the dual benefits of retaining cutting force and shape to reduce the spindle load, and eliminate the need for frequent grinding wheel sharpening, thereby conserving energy.
- **Ultra cost-effectiveness** : Consumables made in Taiwan with imported quality and extremely competitive pricing, reducing the company's costs for these items.

Technical Data/ Test Report

Wheel Brand	Best Diamond Industrial Co., Ltd.		
Wheel Model	Besida-XMLH	Wheel Specification	SD300
Wheel Number	XM-D54	Wheel Size	125D-10X-5U-8T-20H
Wheel Runout Before Grind	5um	Wheel Used (Flute)	84m
Bond Radius Before Grind	R0.09	Bond Radius After Grinding	R0.25
Testing Machines	Walter Helireinic Vision 400L	Grinding Parameters (S)	S=16.5(2520RPM)
Tool Diameter	Ø10mm	Grinding Parameters (F)	F=80(662mm/min)
Tool Helix Angle/ Edge Length	35 Degree / 25~50mm	Tool Material	K44/AF312 / Tungsten Carbide
Total Pieces of Tests	650pcs	Grinding Depth (Flute)	1.85mm (Single Feed)

Peak Spindle Torque



※Orders made to specifications are accepted. Please provide details regarding the wheel size and the machine.
We will tailor-make the most suitable wheel for you based on your specifications.