

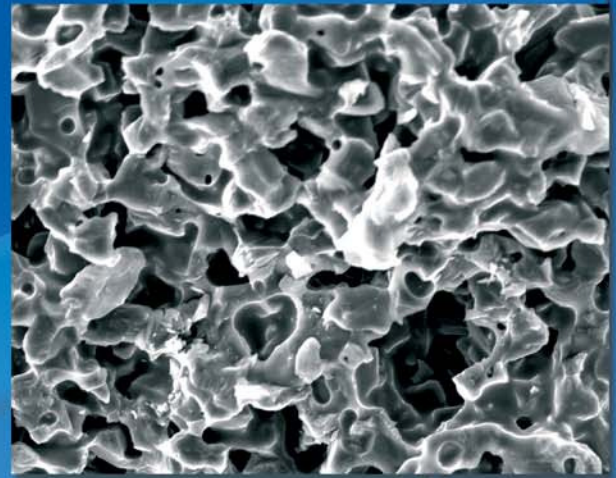
# HPB-Technology

for Swiss Master VIT CBN Grinding Tools

## HPB: High Performance Bond

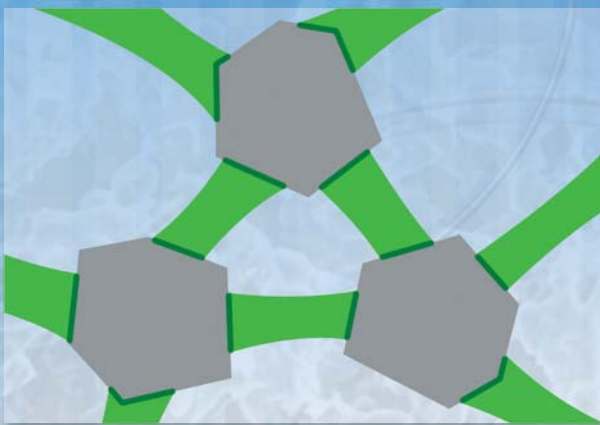
This Innovation in bonding technology offers

- improved grit exposure, therefore enhanced cutting ability, lower grinding forces, better chip clearance, cooler grinding action, excellent workpiece geometry
- optimized bond-grit interface, therefore increased grit retention in the bond, high wear resistance

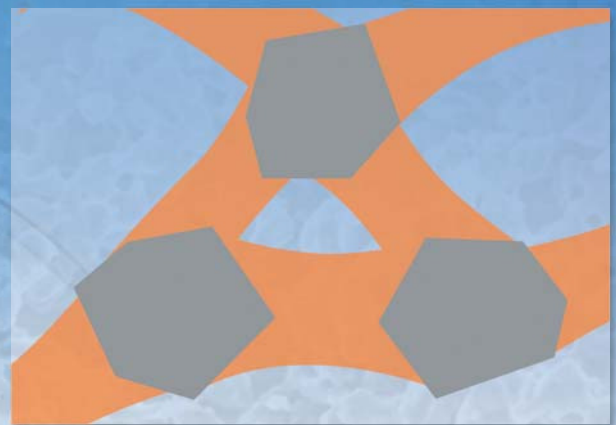


SEM-photograph of a HPB-Bonding

These advantages lead to shorter cycle times, better productivity and lower costs per component.



HPB - Technology



Current Technology



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# HPB Case Study:

Internal Grinding with HPB Technology



Component: **Mini Lash Adjuster**  
Material: **SAE 1010**  
Hardness: **58 RC**  
Grinding Op: **Internal Ø 12 x 20**  
**Vc = 45 m/s**  
Grinding Tool: **Swiss Master Vit CBN HPB**  
**CB21-230-R-9-185-175-V55-P7I-31**  
Machine: **Voumard**

## Result

Cycle Time:  
Geometry:  
Dressing Intervall:

### Meister HPB

20s

< 1µm

60

### Competition

25s

< 2µm

15

More information on our website:  
[www.meister-abrasives.com](http://www.meister-abrasives.com)



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