

HPB-Technology for Meister 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

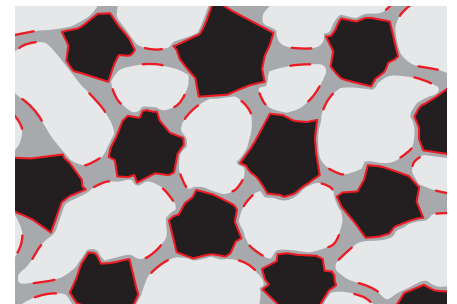
These advantages lead to
shorter cycle times, better
productivity and lower
costs per component.



HPB



Current Technology



HPB-Technology



Meister **abrasives**
International
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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 \varnothing 12 x 20
Vs = 45 m/s

Grinding Tool: Meister HPB Vit CBN
CB21-230-R-9-185-175-V55-P7I-31

Machine: Voumard

Result:

| | Meister HPB | Competition |
|---------------------------|----------------|-------------|
| Cycle Time: | 20s | 25s |
| Geometry: | < 1 μ m | < 2 μ m |
| Dressing Interval: | 60 | 15 |



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More information:
www.meister-abrasives.com