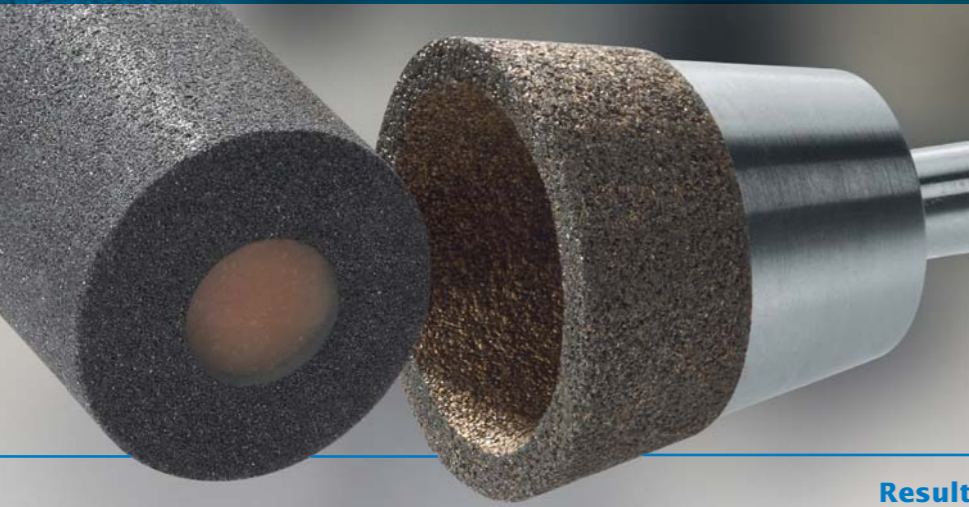


# hDD Case Study Dressing with hDD Tool



	Meister hDD	Metal Bond
Lifetime/Dressing Cycles	60'000	9'000
Resharpener Interval of Dressing Tool	Self-Sharpener	Weekly
Workpiece Geometry (Taper)	< 1µm	5µm
Dressing Interval	160	120

## Result

## Meister Abrasives grinding competence for highlevel industrial applications



# Top Class Diamond Dressing Tools of Highly Advanced Technology



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# High precision dressing tools with porous layers guarantee a significant improvement in production economy and process safety



As the leading company in the development of vitrified and hybrid bonding technologies, Meister Abrasives have become the pioneer in a new generation of state of the art porous dressing tools. The performance goals focussed on for these new dressing tools were high porosity, free cutting dressing layers, and excellent wear resistance properties. Depending on the process requirements, the tools can be designed as vitrified (vDD) or hybrid bonded (hDD).

Meister Abrasives' hybrid Diamond Dressing tools (hDD) are customized high precision products with a unique and very innovative bonding technology. The tools offer outstanding characteristics, producing a safe and controlled dressing operation with significantly improved economics. Thanks to the porous structure, hDD tools work in a self-sharpening mode, while the multi-layered diamond structure guarantees an extended lifetime.

The additional option of an edge reinforced version (cDD) enables the contour-controlled dressing of complex profiles. The highly wear resistant corners combined with the possibility to re-profile the tool multiple times, contribute to high savings in total process costs.



**vDD**  
vitrified bond,  
self-sharpening



**hDD**  
hybrid bond,  
self-sharpening,  
increased lifetime



**cDD**  
edge reinforced,  
extremely high  
profile wear  
resistance



Make A Quality Decision



Meister Abrasives  
International