

Rotary Brazed Diamond Tools

Custom-designed for sizing and finishing
your parts to exacting specifications,
with applications engineering assistance
and technical support



COGSDILL TOOL

products, inc.

Rotary brazed diamond tools... from Cogsdill Tool Products

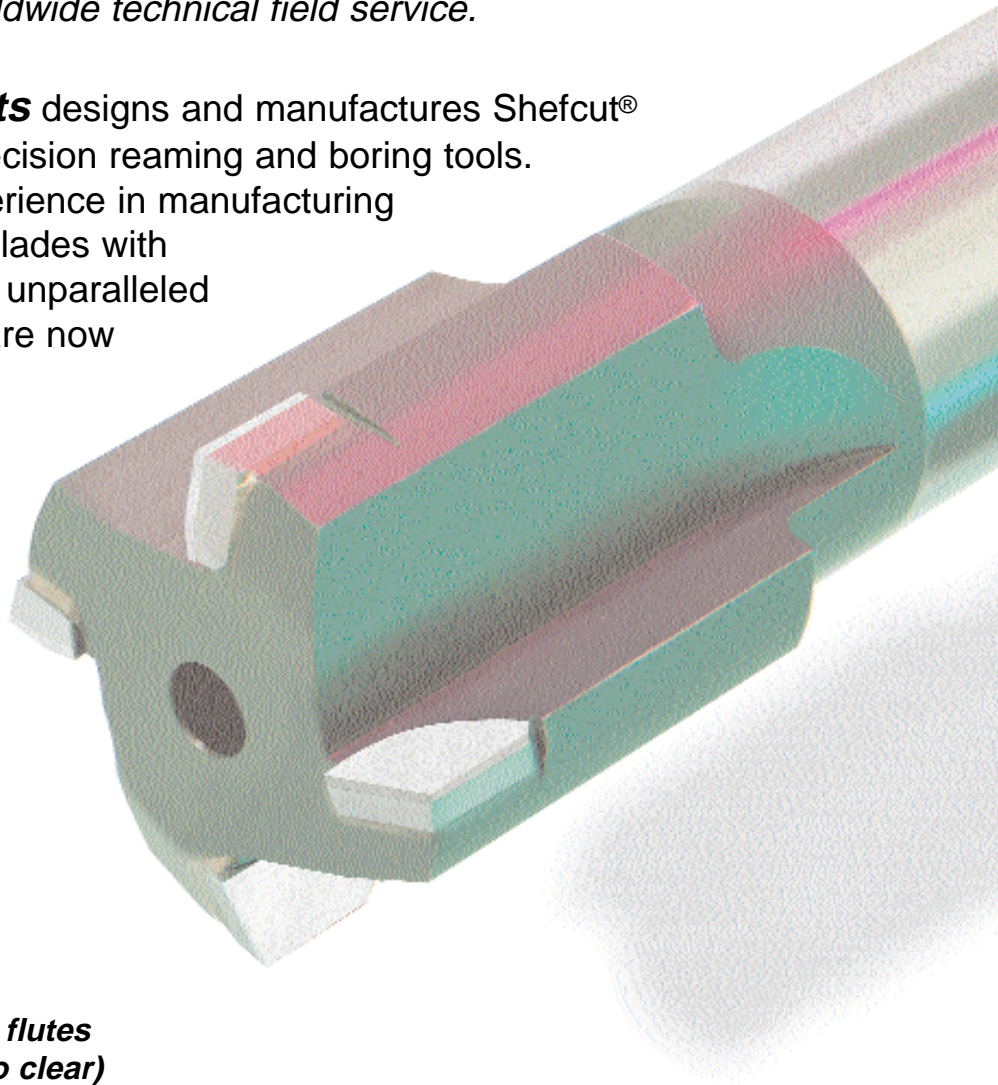
Industry leaders in sizing and finishing solutions, with years of experience in the design and manufacture of diamond blade tooling... now offering the finest in brazed diamond tools. Custom-designed to suit your requirements; supported by applications engineering assistance and worldwide technical field service.

Cogsdill Tool Products designs and manufactures Shefcut® single-bladed, guide-padded precision reaming and boring tools. We have over fifteen years experience in manufacturing polycrystalline diamond (PCD) blades with complex cutting geometries and unparalleled excellence in edge quality. We are now applying this knowledge and capability to the design and manufacture of ***rotary brazed diamond tools***.

The tools feature multiple fixed edges made of polycrystalline diamond, brazed onto a carbide or steel tool body. Rotary brazed diamond tools offer these benefits:

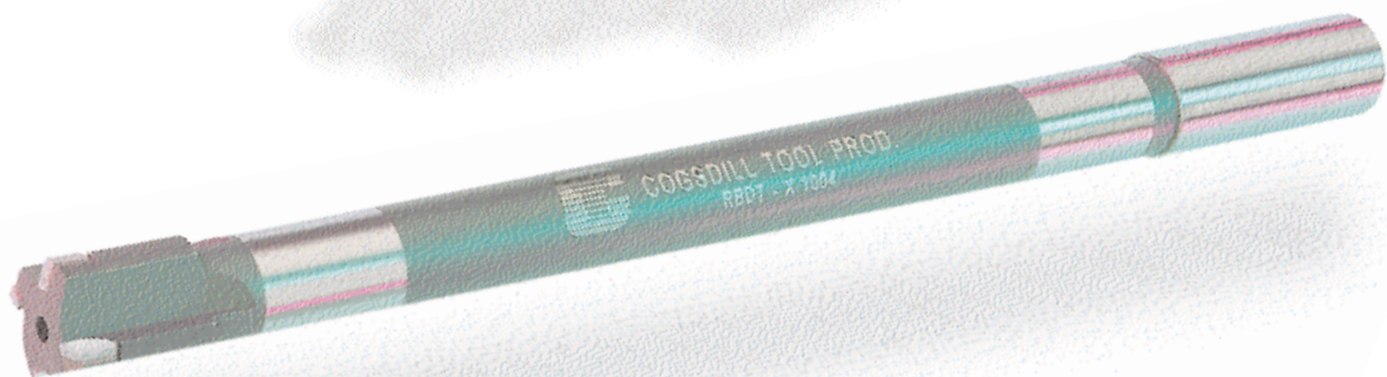
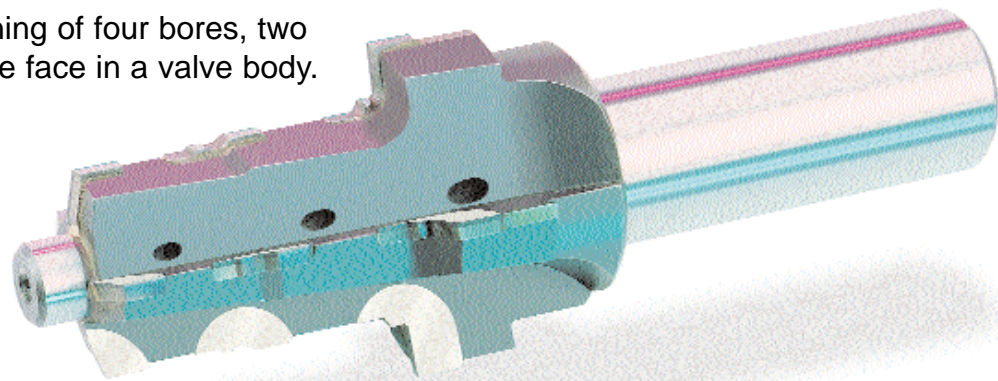
- ***Minimal set-up time (no blade-setting required)***
- ***Effective chip evacuation (larger flutes result in greater area for chips to clear)***
- ***Minimal sensitivity to coolant quality***
- ***High production rates (balanced design and multiple cutting edges)***
- ***Long tool life (perhaps 50 times or more longer than tungsten carbide tooling)***
- ***Ideal for high-production aluminum or other non-ferrous applications, multi-diameter applications (especially small diameters), and close step-to-step conditions***

The tools are custom-designed to suit your particular part configuration, with any shank style desired, including HSK, ABS®, flange-mount, or straight shank. Tools are usually mounted in precision holders, and often in adjustable holders.

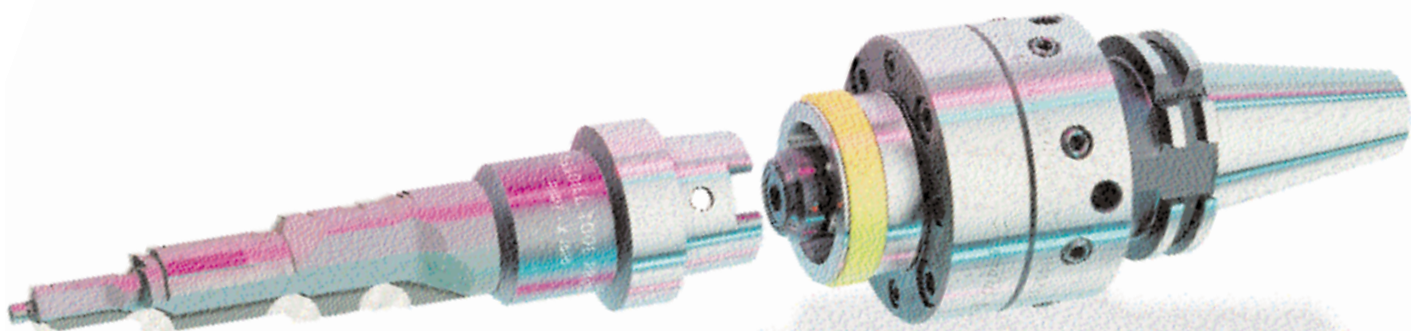


Examples of rotary brazed diamond tools designed and manufactured by Cogsdill Tool Products

Precision machining of four bores, two chamfers, and one face in a valve body.

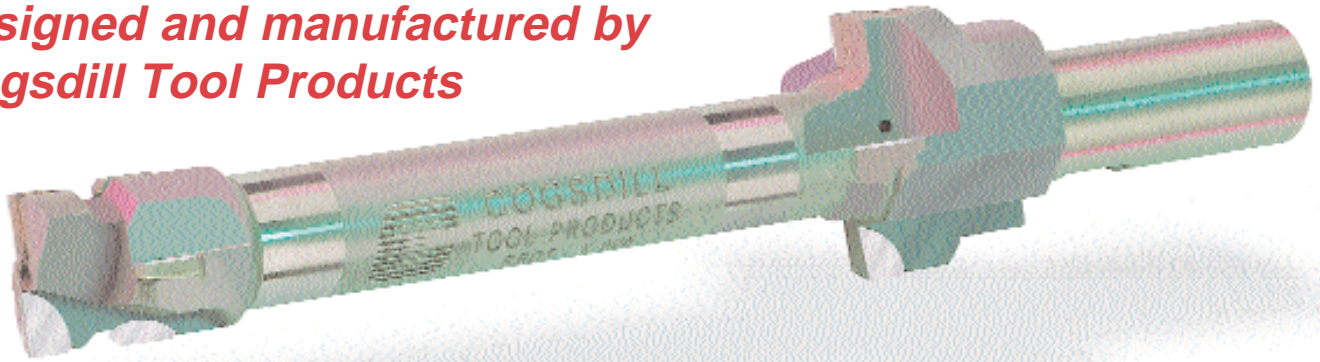


Precision machining of the main bore in an automotive master cylinder. (Enlarged view of Multi-Flute Cutting Head is shown on facing page.)

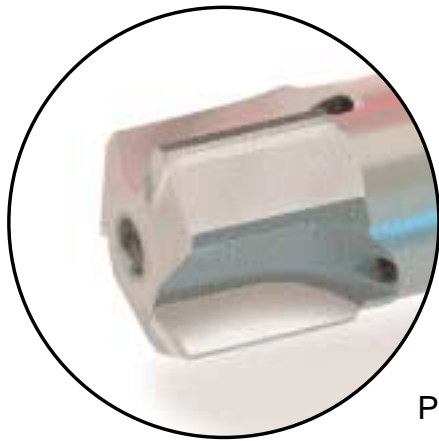


Precision machining of four diameters, one face, and four chamfers on a spark plug bore in an automotive cylinder head. Tool is run in an adjustable holder, as shown.

**Examples of rotary brazed diamond tools
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Facing of bottom of bore, precision machining of main bore, and counterboring, facing, and chamfering operations on an automotive master cylinder.
Tool runs in an adjustable holder (not shown).



Precision machining of a .3159 in. (8.026mm) bore in an ABS brake housing.
(Enlarged view of multi-flute cutting head is shown on left.)

**Contact Cogsdill Tool Products and let us
develop a Brazed Diamond Tooling solution for your application**



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