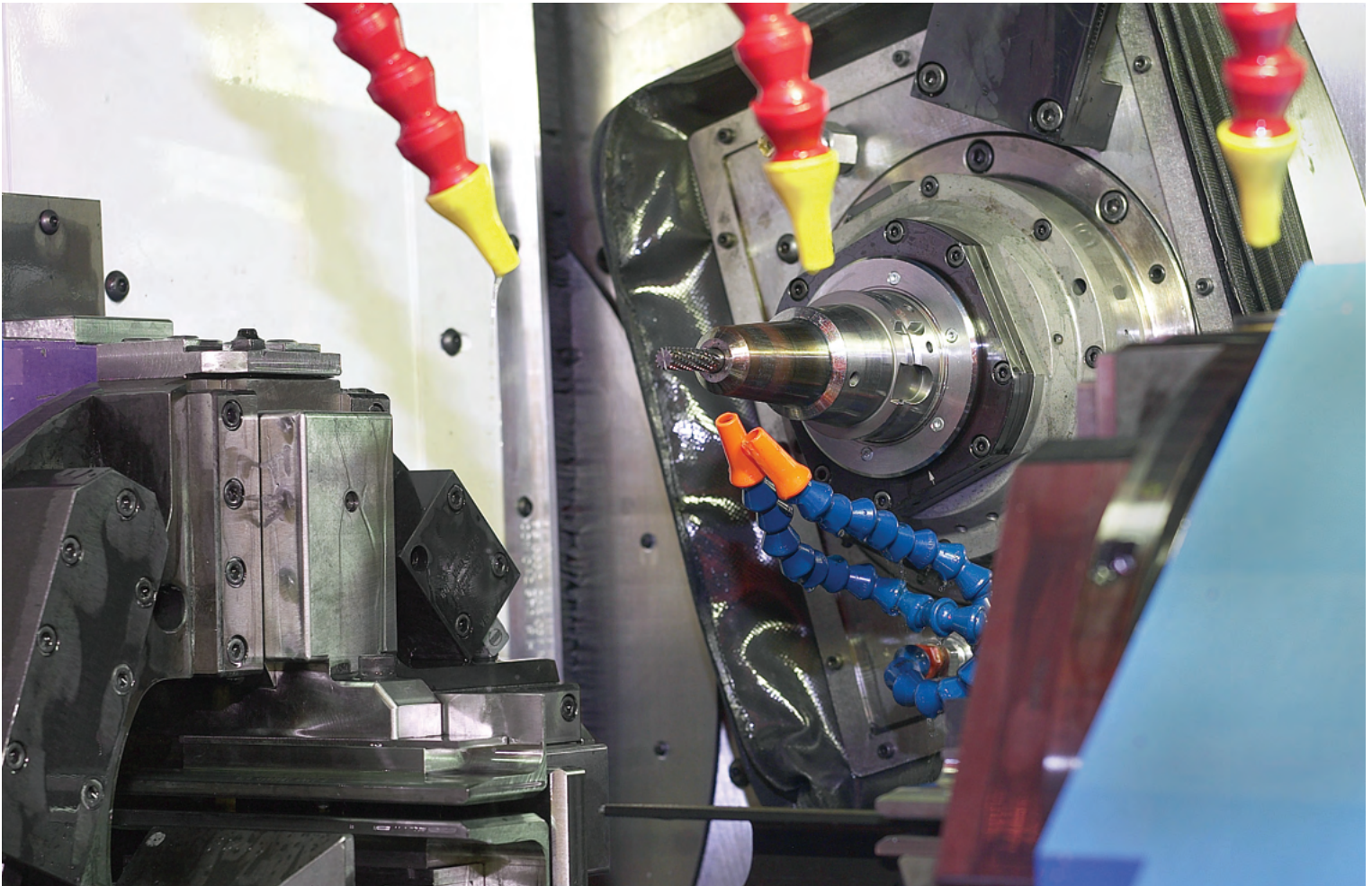




HIGH PRECISION
MACHINES

CUTTING TOOLS | ABRASIVES

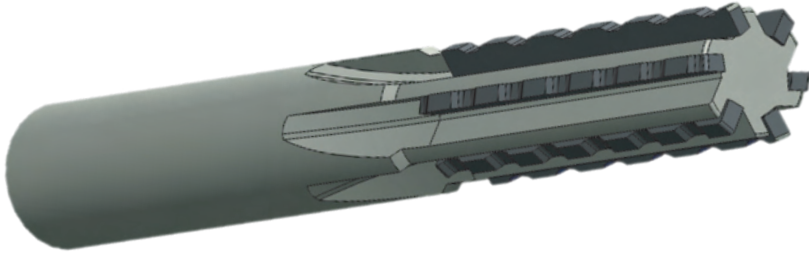
CITCO Ultra-precision Mills & Drills



Pioneering innovations for highly abrasive composite materials

- Unique new tooling formats & original designs
- Improved product consistency & process reliability
- Superior tool life & ultra-high machining speeds and feeds

“Achieve maximum return on investment with Fives’ exclusive CITCO high-performance designs for highly abrasive composite material applications such as graphite, CFRP, CMC, FRP, etc.”



Fives supplies customized tooling solutions for highly abrasive composite material applications designed specifically for each customer’s unique requirement. This wide range of solutions is backed with superior service, over 75+ years of tooling expertise and a professional team of application engineers.

A FULL RANGE OF CUSTOMIZED TOOLING SOLUTIONS

- PCD tipped PCD drills
- Full PCD burr for CFRP
- Full PCD low helix fluted finisher
- Helical veined PCD end-mills
- PCD router for composites
- CVD diamond router for composites
- Large multi-insert PCD tools for high volume removal

TOOLING ADVANTAGES

- Custom tool designs for each applications
- Increased productivity & reliability
- Extended tool life thus improving ROI
- Boosted stability & deflection reduction
- Maintain precision tolerances while increasing productivity
- Supported by a team of expert engineers



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