



HIGH PRECISION
MACHINES

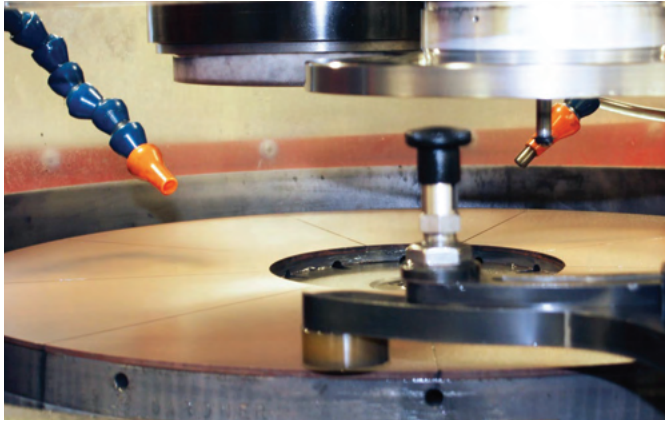
Gardner Superabrasives for fine grinding applications



Custom engineered superabrasives for single and double sided grinding

- Best-in-class crystal selection matched to each specific application
- Advanced bonding systems allow for better productivity & longer wheel life
- Maintains critical precision tolerances
- Shorter cycle times & less frequent sharpening

“Fives’ in-house R&D lab and wide selection of crystal ensures the best available Gardner Abrasives’ technology is matched to each customers applications”



GARDNER SUPERABRASIVES ADVANTAGE:

- In-house R&D lab provides improved research to specifically match the best product to each application
- A broad range of crystal selection allows for a superior fit to each application material
- Advanced bonding systems allow for better performance & longer wheel life
- Maintains precision tolerances to hold parallelism & reduce wedge
- Shorter cycle times and less frequent sharpening
- Achieves superior flatness

FINE GRINDING WHEEL SPECIFICATIONS:

Availability:

- Wheel sizes: 400 mm - 1,400 mm
- Grit sizes: 100 grit - micron sizes
- Wheel types: diamond or cBN
- Wheel styles: segment, round pellet or hex button

APPLICATIONS:

Serving a wide range of applications within the automotive, oil & gas, medical, and aerospace industries

- Various automotive components
- Carbide and flat part grinding
- Ceramics

Every Gardner Abrasive is specifically designed to comply with customers’ requirements while offering ultimate precision and reliability

FINE GRINDING BOND TYPES:

- RESIN: Commonly used for its versatility in applications and ability to grind multiple part types from a similar group, this bond consists of a combination of resins and fillers
- VITRIFIED: Typically used in more aggressive, hard to grind applications when wear resistant is important, this bond has ceramic composition and maintains form under aggressive use
- HYBRID: A combination of multiple bond systems, hybrid is very wear resistant in harsh applications while maintaining some flexibility
- METAL: The hardest of the bonds, metal bond abrasives are single sided, and are typically used to grind hard to machine part applications

CONTACT

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Industry can do it