

APPLICATIONS

Used in various applications for a wide range of hard to grind materials, including:

- Hardened Steels
- Powdered Metals
- Tungsten Carbides
- Engineered Ceramics
- Quartz
- Sapphire
- Composites

BENEFITS

- Excellent form holding capability
- Standard and custom formulations available
- Exceptional wheel life compared to conventional abrasives
- Wet/dry grinding
- Tool, saw, and cutter grinding applications
- High, controlled stock removal rates
- Controlled bond structure
- Roughing and finishing operations

**STRAIGHT CUP
WHEELS**

6A2/6A2C Type
Resin, Metal, &
Vitrified Bonds



STRAIGHT CUP WHEELS

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*Resin, Metal &
Vitrified Bonds*

FEATURES

- Abrasive crystals available as small as 1500 grit (1-2 μm) and as large as 80 grit (260 μm), with tightly controlled particle size distribution (PSD)
- Abrasive crystals can be diamond (natural or synthetic), CBN or conventional silicon carbide or aluminum oxide
- Standard sized wheels as well as almost limitless custom sizes and variations
- Formulations can be standard or custom tailored to your process
- Unlimited combinations of geometries, bond hardnesses, and matrix structures

ENGINEERED SOLUTIONS

ITI has standard formulations for many applications. In addition, ITI can custom formulate wheels for your specific application to maximize throughput and surface finish.

ITI has been producing high precision tooling since 1961. ITI products are fabricated at our 65,000 square foot facility in Oxnard, California, USA. Only the highest quality abrasive crystals and bond materials are used. Critical properties of crystals such as friability, size, shape, concentration, along with bond strength and structure are all carefully considered during the design stage to ensure optimized performance. ITI's engineering staff is proficient in working with customers to provide the best solution for each application.



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