

### **APPLICATIONS**

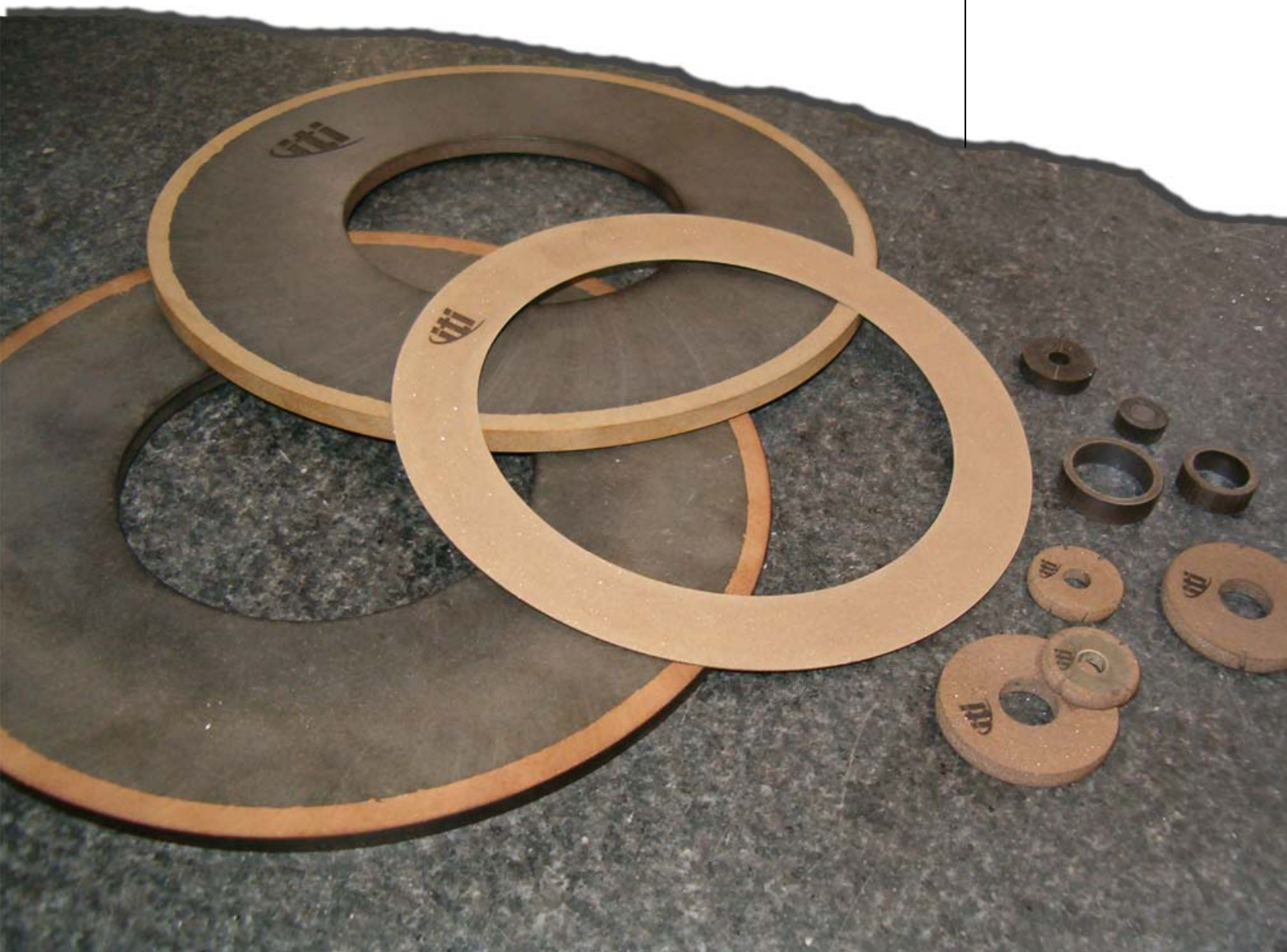
Used on grinding machines for precision and general ID, OD, surface grinding, slotting and cut-off of ferrous and non-ferrous materials, including:

- Hardened steels
- Tungsten Carbide
- Aluminum
- Titanium
- Ceramics
- Glass, Quartz, Sapphire
- Plastics
- Composites

### **BENEFITS**

- Custom and standard wheel formulations
- Custom and standard sizes and shapes
- Custom edge profiles available
- Diamond (natural & synthetic) and CBN abrasives
- Controlled porosities
- Rapid delivery times (standard 2 weeks for custom bonds)

## **CUSTOM SUPERABRASIVE SHOP WHEELS** Resin & Vitrified Bonds



# **CUSTOM SUPERABRASIVE SHOP WHEELS**

*Resin & Vitrified  
Bonds*

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## ***Features***

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- Standard and non-standard sized wheels for use on all models of general and custom shop grinding equipment
- Abrasive crystals as small as 1500 grit (1 – 2  $\mu\text{m}$ ) and up to 80 grit (260  $\mu\text{m}$ ) , with tightly controlled particle size distributions (PSD)
- Wheel OD: 0.5 in. to 8.0 in. (12 mm to 200 mm)
- Wheel Thickness: 0.003 in. to 0.75" (0.076 mm to 19 mm)
- Abrasive crystals can be diamond (natural or synthetic) or CBN
- Unlimited combinations of wheel geometries, bond hardnesses and matrix structures

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## ***ENGINEERED SOLUTIONS***

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ITI has standard wheel formulations available for many applications. In addition, ITI can custom formulate wheels for your specific application to maximize throughput and surface finish. Wheel life can be enhanced by as much as four times that of conventional wheels.

ITI has been producing precision tooling since 1961. ITI products are fabricated at our 65,000 square foot facility in Oxnard, California, USA. Only the highest quality diamond, CBN 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.



[www.iti-abrasives.com](http://www.iti-abrasives.com)

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