

## **APPLICATIONS**

Used on backgrinding (Okamoto, Disco, Strasbaugh, etc.) and Blanchard-type vertical spindle machines for reducing the thickness of hard to grind materials including:

- Silicon Wafers
- AlTiC
- Hardened Steels
- Engineered Ceramics
- Quartz, Sapphire
- Silicon Carbide
- Glass

## **BENEFITS**

- Standard and custom formulations optimized for each application
- Consistent stock removal rates
- Low sub-surface damage
- Optical quality surface finish
- Excellent wheel wear characteristics
- Planarizing, roughing and polishing operations

## **BACKGRINDING WHEELS**

*Resin & Vitrified  
Bonds*



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## **FEATURES**

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- Standard sized wheels for use on grinding equipment from
  - Okamoto
  - Disco
  - Strasbaugh
  - others
- Custom wheels up to 12" in (300 mm) diameter
- Controlled bond porosity tailored to each application
- Unlimited combinations of tooth style, bond hardnesses, and matrix structures
- Abrasive crystals available as small as 1500 grit (1-2  $\mu\text{m}$ ) and as large as 80 grit (260  $\mu\text{m}$ ), with tightly controlled particle size distribution (PSD)
- Abrasive crystals can be diamond (natural and synthetic), CBN or conventional silicon carbide or aluminum oxide.

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## **ENGINEERED SOLUTIONS**

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



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

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