

## **DIAMOND BLADES FOR LED PACKAGING**

### **DIAMOND BLADES**

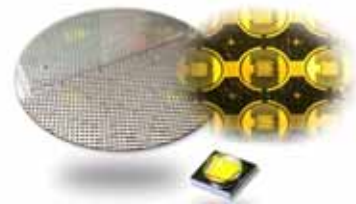
Resin, Metal,  
Hybrid and  
Electroformed  
Bonds

#### **APPLICATIONS**

- High Power LED
- Chip LED Packaging
- Chip Carrier Packages (BGA, CSP, QFN)
- Discrete components
- Ceramic, glass, quartz, PZT, aluminum

#### **BENEFITS**

- Match your process and application with standard and custom blade formulations
- Superior cut quality
- Low cost of cut due to long blade life
- Diamond, CBN, and conventional abrasives
- Rapid delivery times



## **DIAMOND BLADES**

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### **FEATURES**

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- Standard and custom blades for use equipment by all manufacturers.
- Blade OD: 0.5 in. to 8.0 in. (12 mm to 200 mm)
- Blade Thickness: As thin as 0.003 in. (0.076 mm)
- Unlimited combinations of blade configurations, bond hardnesses and matrix structures
- Abrasive crystals as small as 1500 grit (1-2  $\mu\text{m}$ ), with tightly controlled particle size distributions (PSD)
- ITI also produces hubs, arbors, spacers and dressing plates for use with these products

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### **ENGINEERED SOLUTIONS**

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ITI has standard blade formulations available for many applications. In addition, ITI can custom formulate blades for your specific application to maximize throughput and cut quality. Blade life can be enhanced by as much as four times that of conventional blades.

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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