

ADVANTAGES OF TRANSITIONING FROM CONVENTIONAL TO SUPERABRASIVE GRINDING WHEELS

As machinery becomes more advanced and efficient the use of SuperAbrasive grinding wheels are ideal for companies who are looking for return on investment, which in turn produces a more profitable product. As a leader in SuperAbrasive Diamond and CBN wheel applications with over 30 years of experience, ASA will help from beginning to end in transitioning from your current conventional wheel applications. This does include all conventional wheels used on the shop floor.



ADVANTAGES OF SUPERABRASIVE WHEELS

- Shorter cycle times / increased feed rates
- Increased wheel life / less down time
- Increase pcs. per hour
- Reduction in cost per piece

DIAMOND Vs. CBN SUPERABRASIVE WHEEL

DIAMOND IS VERY EFFICIENT IN GRINDING:

- Carbide(s)
- Quartz
- Silicon
- Thermal Sprays
- Exotic Materials like Titanium
- Inconel and other similar materials

CBN IS VERY EFFICIENT IN GRINDING:

- Hardened steels
- Knives
- Mold and Tool Steel

Steel should be at least 40 Rc or harder to be more effective during the grinding process. There are exceptions to where CBN can work on milder steels. Our Sales Engineer can guide you through the process on how to achieve the required results.

There are various factors to keep in mind when transitioning to a SuperAbrasive grinding wheel but the most important is "Coolant". We do not recommend a specific coolant. However, oil base is a good choice.

IN ORDER FOR ASA TO ASSIGN THE RIGHT SPECIFICATION, THE FOLLOWING INFORMATION IS NEEDED:

1. Wheel shape and diameter
2. Wheel thickness
3. Wheel Arbor hole size
4. Machine Type - wheel will be used on
5. Material to be ground (if steel what hardness)
6. Finish specification of part being ground

Contact us at **330-673-7333** or send an email to

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