



# SUPERABRASIVES

CBN AND DIAMOND PRODUCTS

## ***MAXIMIZER VITRIFIED CBN FOR CENTERLESS PLUNGE GRINDING***

For over 30 years, SuperAbrasives has focused on providing our customers with top quality, high performance products all while delivering a high level of responsiveness and customer service. We pride ourselves on our Continuous Improvement Program and effectively providing our customers with the most cost-efficient solutions for the job.

**What can we do for your business?** Help bring your grinding processes to the next level while lowering your grinding costs!

### **MAXIMIZER CBN VITRIFIED PRODUCTS**

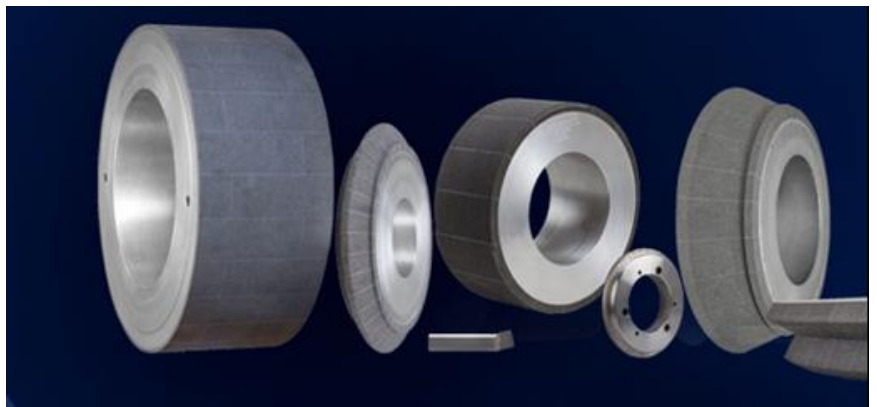
The Maximizer product line includes vitrified CBN grinding wheels designed for use in both rotary and single point technology dressing applications. The unique characteristics of this bond structure produce a product that is flexible and versatile allowing for seamless integration into Job Shop, Tool Room and Production run environments.

### **TECHNICAL SUPPORT AND CUSTOM SERVICES**

#### **Application Support**

At SuperAbrasives we also provide application support to our customers by working with you to optimize your grinding process. We use the following steps to walk through your applications to achieve the success you require.

- Application Evaluation
- Application Analysis
- Application Recommendations
- Product Development
- Product Implementation



If you would like to learn more, please call our Application Specialists at 248-348-7670 or email us at [sales@superabrasives.com](mailto:sales@superabrasives.com).





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## ***MAXIMIZER VITRIFIED CBN FOR CENTERLESS PLUNGE GRINDING***

### CENTERLESS GRIND APPLICATION

Machine: Cincinnati Type 2 Rotary Dresser Installed

Material: D2/M2 Steel

Stock: .050" over diameter

Finish Requirement: 0.3 to 0.5 Ra

Wheel Size: 20 x 6 x 12 1A1

Wheel Cutting Speed: 42 m/s

Coolant: Synthetic

### TOOL LIFE OF INCUMBENT WHEEL VS SUPERABRASIVES WHEEL:

<u>PARAMETERS</u>	INCUMBENT WHEEL	<u>SUPERABRASIVES WHEEL</u>
Parts per dress	50	<b>1200</b>
Truing/Dressing	Feed rate Increments = 0.005" Finish In-feed<0.005" / pass	<b>Finish In-feed&lt;0.005"/pass x 2</b>
Total per Dress	0.018"	<b>0.01"</b>

### ADDITIONAL SAVINGS:

- Tool Life Increased by 20 times
- Saves 1.5 hours a day in dressing
- Improved part quality

