

CONTINENTAL DIAMOND TOOL CORPORATION

METAL BOND DIAMOND AND CBN PRODUCTS









METAL BOND CBN AND DIAMOND TOOLS

When maximum productivity is paramount, metal bond grinding tools offer the long life and low maintenance you need. Suitable for all levels of both wet and dry grinding from light polishing to aggressive CNC grinding, metal bond abrasive tools are built for endurance and performance.

Metal bonded tools are created from the sintering of powdered metals and other compounds with either Diamond or Cubic Boron Nitride (CBN). This process produces an extremely strong product that holds its shape well during use. Metal Bond maintains a long and useful tool life with a reduction in the frequency of dressing. Generally, Metal Bond wheels have the hardest matrix, therefore it performs best in operations under flood coolant.

One weakness to be aware of with metal bonded grinding wheels is that they are not easily dressed. Unlike resin and vitrified wheels, the bond material can't be cut away to release dull grit and expose new edges.





Reamers

Dressing Disks

Custom Tools

OVER 40 YEARS OF EXPERIENCE

Every superabrasive consists of Diamond or CBN grit held in a supporting matrix material known as the "bond". Of the main bonding systems, Metal Bond is perhaps the best known thanks to its overall utility and length of time it's been available. Metal bonds for Diamond grinding wheels were introduced in the early 1940's. CDT manufactures all types of Metal Bond Diamond tools for many industries. While Metal Bond is well known, it's important to select the bond type most appropriate for the intended use. With over 40 years of manufacturing experience, we can recommend the correct tool and material for your application.





METAL BOND



AUTOMOTIVE

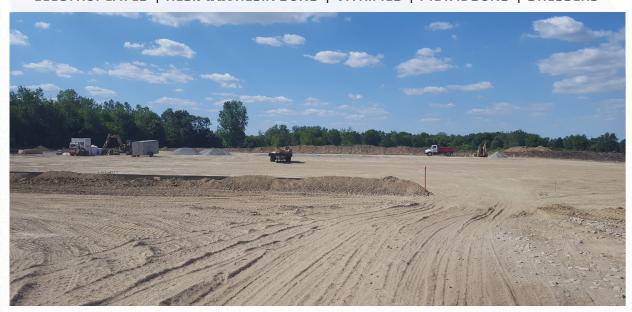
CERAMICS

ELECTRONICS



CONTINENTAL DIAMOND TOOL CORPORATION

ELECTROPLATED | RESIMAX RESIN BOND | VITRIFIED | METAL BOND | DRESSERS



Founded in 1973 by Ray Viggiano, Continental Diamond Tool took shape with just 2 employees and 4,500 sq. ft. in New Haven, Indiana. CDT has been providing technically superior precision tooling to a number of industries ever since. After multiple expansions to meet product and customer demand, CDT has set the groundwork with a 180,000 sq. ft. manufacturing facility that will accommodate new product releases and future customer needs. With a motto of "Small Company Values, Large Company Capabilities" CDT has become a worldwide manufacturer of superabrasive grinding wheels and tools. We welcome the opportunity to meet your most critical tooling requirements.

Phone: 260-493-1294

10801 Rose Ave.

Toll Free: 800-443-6629

P.O. Box 126

Fax: 260-749-7326

New Haven, IN 46774

Email: info@cdtusa.net

www.cdtusa.net