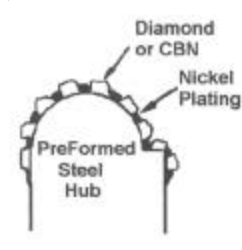


# ELECTROPLATED DIAMOND & CBN TOOLING

## ELECTROPLATED DIAMOND TOOLING-(SINGLE LAYER TOOLS)

Electroplated diamond and CBN tools have a single layer of abrasive on their cutting or grinding edge. The abrasive is held in place on a preformed steel hub, using a hard nickel electroplating process. This nickel plating is built up around the crystal to approximately 50% of its height.



### Fast Aggressive Cutting

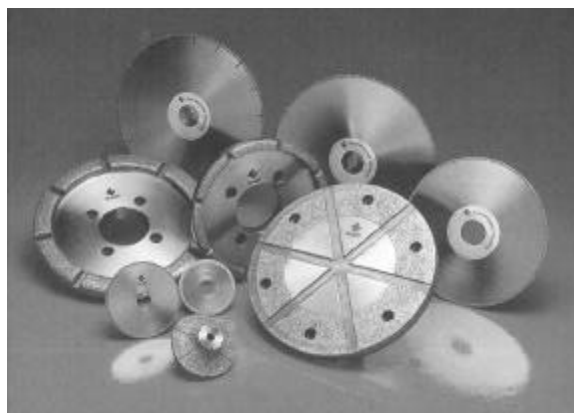
This high exposure of the diamond or CBN crystal results, in a grinding or cutting tool that is extremely fast and free cutting. High material removal rates can be accomplished but with low heat and power consumption. Electroplated superabrasive tools are ideal for the most difficult to work with materials.

#### Diamond Plated Tools for Non-Ferrous Materials

Carbide	Ferrite
Carbon	Friction Material
Ceramic	Graphite
Composites	Marble
Fiberglass	Quartz

#### CBN Plated Tools for Ferrous Materials

Hardened Tool Steel (> HRc50)
Alloy Steel (> HRc50)
Superalloys (> HRc40)
Stainless (> HRc50)
Cast Iron



### Same Form -Beginning to End

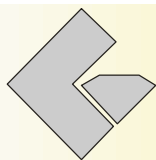
Plated tools are ideal when a precision form must be ground into a part. Once the desired shape is machined or ground into the wheel hub, and the superabrasive is applied, this form will remain throughout the life of the grinding wheel. No additional truing or reshaping is required.

### Strip & Recoat = Savings

Graff offers a complete strip, re-machine and recoat service. A new layer of abrasive can be applied to most wheel cores received. Reconditioned wheels will perform as new, but at a fraction of the cost.

### Plating of Customers Blanks

Many of our customers will manufacture their own steel hub and send it to us for diamond or CBN coating. Contact us, for recommendations regarding tool design and abrasive allowance.



# Graff

[www.graffdiamond.com](http://www.graffdiamond.com)

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