

## PCD, CVD-D & PcBN Cutting Tools

CUSTOM TOOLS AVAILABLE UPON REQUEST



### PCD

**(Polycrystalline Diamond) 90-95% Diamond Content**

A composite cutting material consisting of synthetic diamond sintered in a metal binder. The combination of hardness, thermal conductivity and bend strength makes PCD an excellent cutting material for machining non-ferrous metals and composite materials.

### CVD-D

**(Chemical Vapor Deposition Diamond) 99% Diamond Content**

A composite cutting material similar to PCD, however CVD-D is binderless and has a diamond content of over 99% making it one of the hardest cutting materials in the world. Due to its higher thermal conductivity and hardness, CVD-D is ideal for cutting aluminum, hard metals, ceramics as well as fiber and metal matrix composites.

### PcBN

**(Polycrystalline Cubic Boron Nitride)**

A composite cutting material sintered in a ceramic or metallic binder. Available in a variety of different compositions. PcBN has a higher heat resistance than PCD and is ideal for use with hardened ferrous materials.



# STEINER

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

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**PCD Thread Mills**

**JBO's ability to combine state of the art PCD/CBN manufacturing with 35+ years of thread milling experience allows them to manufacture the highest quality diamond thread mills in the world.**

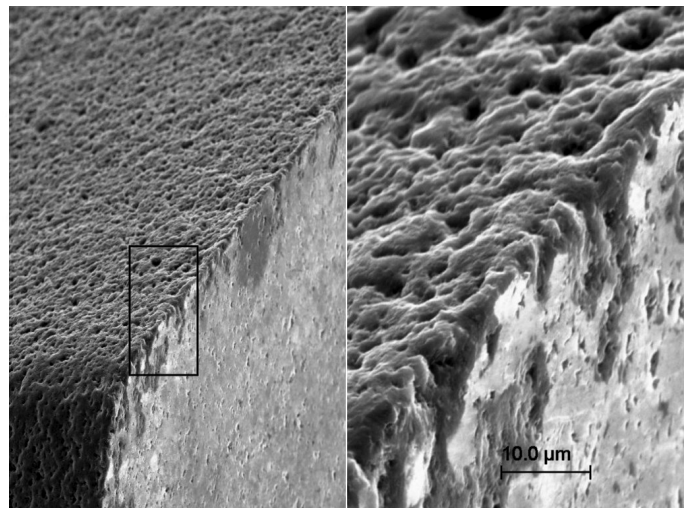
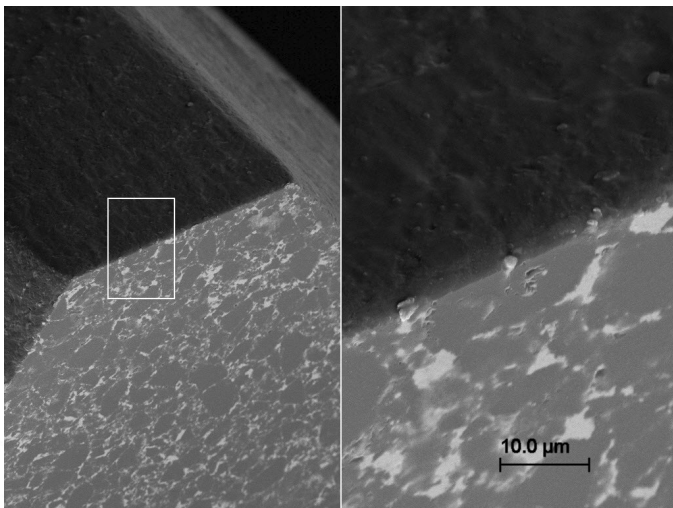


**PCD-PF Face Milling Cutters**

**All PCD Face Mills are laser cut using a state of the art laser cutting machine. This guarantees a superior cutting edge and outstanding tool life.**

**LASER CUT EDGE BY JBO**

**EDM CUT EDGE BY COMPETITOR**



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