

# DLC - Diamond Like Carbon Coated Cutting Tools



Diamond Like Carbon coating applied to carbide tools cutting aluminum alloys, graphite, printed circuit board (PCB) and plastics provides the following benefits:

- Hardness, wear resistance 10-20 times longer  
Tools last longer, reduced set-up time, savings!
- Extremely reduced coefficient of friction  
Less lubricant fluid used, lower operating temperature
- Increased productivity and savings

## Higher Productivity

The coating hardness, strength and smoothness all make it possible to significantly increase machining speeds. Running and lead times shorten, creating productivity improvements.

- DLC on carbide tools are strongly recommended for working with aluminum and other soft alloys. Chips break well. Tools last drastically longer.
- DLC on carbide tools result in protection from chipping-off and cold welding while processing malleable aluminum and aluminum alloys

## Superior Quality

- Because cut material releases well, fewer burrs result.
- Quality of the machined surface and improved throughput reduces rework.
- Dimensional accuracy using coated tools is excellent, and quality is reliably uniform.

We provide selected coated tools or DLC coating,  
turnaround 2 business days

