

Title:

How To Use Diamond Tool To Cut Steel In Micro Machining?

Word Count:

410

Summary:

If a diamond tool were to be used to cut steel, the diamond tool will face severe tool wear. W

Keywords:

tool,diamond,diamond tool,steel,cut,ultrasonic vibration,surface,vibration,ultrasonic,cut steel

Article Body:

The diamond tool is commonly used in micro-machining as it can withstand the micro hardening o

However, if a diamond tool were to be used to cut steel, one of the most common engineering ma

There have been various attempts to improve the tool life of the diamond tool while cutting st

The latest breakthrough came when the diamond tool was subject to ultrasonic vibration during

For example, a single crystal diamond tool with feedrate 5 micron/revolution, cutting speed ze

With more and more machining companies moving into the niche micro machining field, such ultra

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