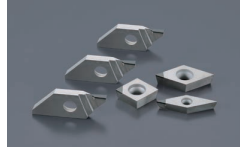


Options for our Swiss Tooling

PD1

PCD (Polycrystalline Diamond)



Features

- Sharp cutting edge
- Enables high precision and stable machining by controlling the potential for built-up edge
- Faster cutting speed than carbide
- Recommended for cutting aluminum and copper alloys thanks to its excellent adhesion resistance
- Incorporates a very sharp cutting edge

PD2

PCD (Polycrystalline Diamond)



Features

- Super micro grain PCD maintains sharp cutting edges with increased chipping resistance
- Good chip control due to the high rake angle on the insert
- 3D Chipbreaker is now available

TM4 / TM1

Thin: TiN-TiCN-TiAlN coated carbide



Features

- Excellent dimensional stability and tool life thanks to triple titanium layers with superb adherence to insert substrate
- Balance of wear resistance and adhesion resistance
- Insert edge sharpness

VM1

Thin: TiCN coated carbide



Features

- Sharp cutting edge
- High precision machining of small diameter parts even in high-speed range
- Especially for machining free cutting steels (SUM materials) - like 7075-T6 Aluminum alloys
- For high-precision machining with longer tool life even in the high-speed machining range
- Excellent wear resistance

KM1

Uncoated carbide



Features

- Very sharp cutting edges with uncoated Micro-grain carbide
- Excellent adhesion resistance because of mirror-finish
- A wide range of cutting tools in various types available for Swiss-type lathes
- Good for non-ferrous materials like PEEK, Brass, Copper, and Aluminum alloys like 6061 and 5056

- TM4, VM1, and KM1 insert geometries available for:
 - Front turning
 - Back turning
 - Cut-Off
 - Grooving
 - Threading
 - ID Boring
 - Shaper Duo (machining square, hexagon, hexalobular sockets)
 - Indexable End Mills



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