

# Solid PCD Cutting Tools



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Developed products including:

Opracowane produkty:

Solid PCD Thread milling cutter,  
Monolityczny frez gwintujący z PCD,

Solid PCD Corner end mill,  
Monolityczny frez narożny z PCD,

Solid PCD Micro Drill.  
Monolityczne mikrowiertło z PCD.

Solid PCD cutting tools are particularly suitable for machining:

Monolityczne narzędzia skrawające z PCD są szczególnie odpowiednie do obróbki:

glass sapphire,  
szkła szafirowego,

single-crystal and poly - crystal silicon,  
krzemu monokrystalicznego i polikrystalicznego,

ceramic aluminum-based silicon carbide,  
ceramiki na bazie aluminium z węglkiem krzemu,

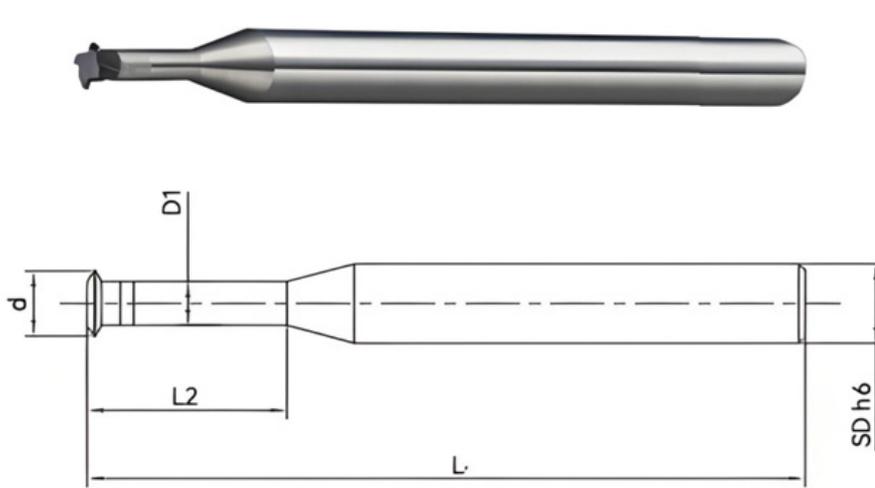
silicon carbide,  
węglika krzemu,

and glass - fiber materials.

oraz materiałów z włókna szklanego.

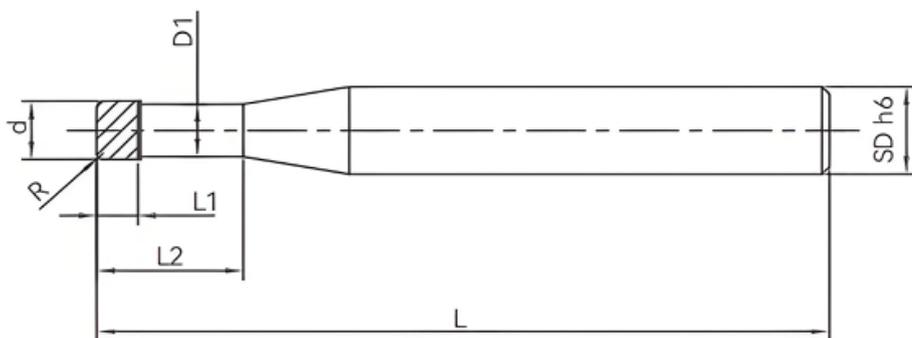


## Solid PCD Thread milling cutter



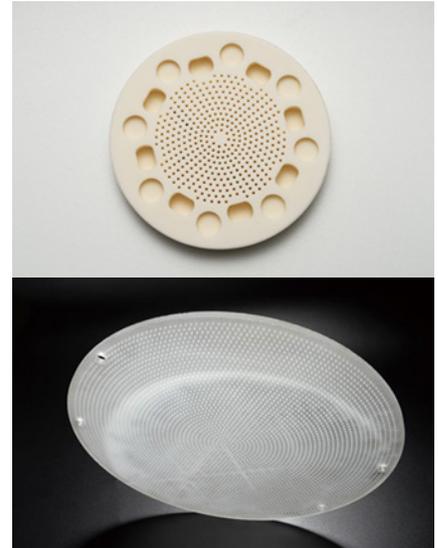
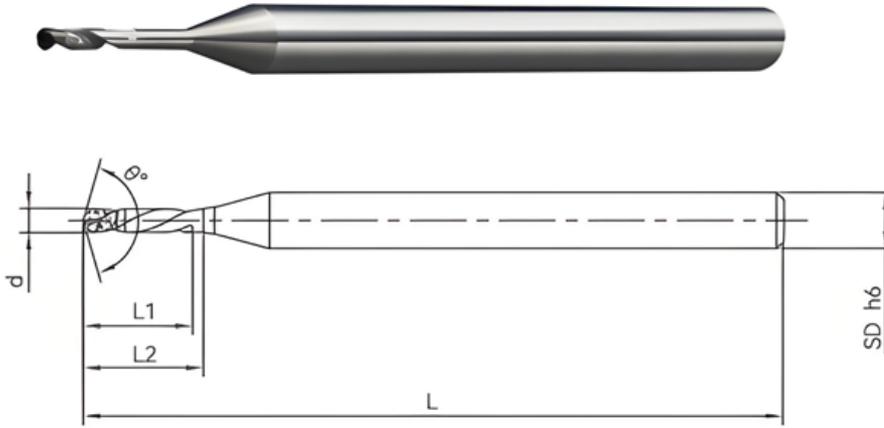
Model	Nominal Diameter	d	D1	L2	L	SD	NF	Speed (r/min)	Feed (mm/min)
TCM250204004	M2.0	1.5	0.9	4.0	45	4.0	4	21000	800
TCM250254004	M2.5	1.85	1.2	5.0	50	4.0	4	21000	800
TCM250304004	M3.0	2.36	1.6	6.5	50	4.0	4	21000	800
TCM250406004	M4.0	3.08	2.1	9.0	50	6.0	4	21000	800
TCM250506004	M5.0	3.97	2.9	10.0	50	6.0	4	21000	800
TCM250606004	M6.0	4.72	3.4	13.5	50	6.0	4	21000	800
TCM250806004	M8.0	6.4	4.7	18	60	6.0	4	21000	800

## Solid PCD Corner end mill



Model	d	R	L1	L2	D1	L	SD	NF	Speed (r/min)	Feed (mm/min)
TCM350104508	1	0.1	1.2	6.0	0.95	45	4.0	8	24000	3000
TCM350154510	1.5	0.1	1.2	6.0	1.45	45	4.0	10	24000	3000
TCM350304520	3	0.1	2.5	6.0	2.95	45	4.0	20	24000	3000
TCM350404510	4	0.2	2.5	9.0	3.95	45	6.0	10	24000	3000
TCM350605015	6	0.2	2.5	10.0	5.95	50	6.0	15	24000	3000
TCM350805030	8	0.2	2.5	10.0	7.95	50	8.0	30	24000	3000

## Solid PCD Micro Drill



Model	d	L1	SD	L	Speed (r/min)	Feed (mm/min)
TCM450040384	0.45	5	4	38	22000	40
TCM450050384	0.5	7	4	38	22000	40
TCM450060384	0.6	8	4	38	22000	40
TCM450070384	0.7	8	4	38	22000	40
TCM450080384	0.8	8	4	38	22000	40
TCM450090384	0.9	8	4	38	22000	40
TCM450100384	1.0	10	4	38	22000	40
TCM450110384	1.1	10	4	38	22000	40
TCM450150384	1.5	10	4	38	22000	40
TCM450200384	2.0	10	4	38	22000	40