

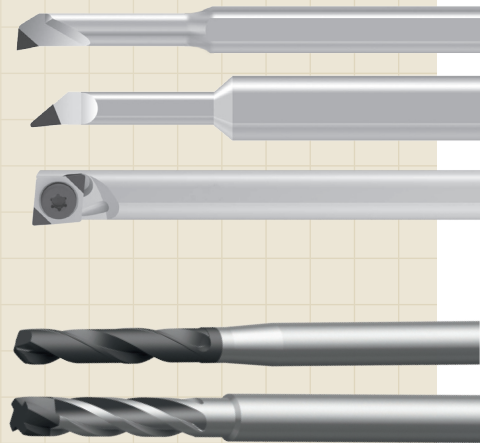
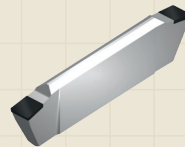
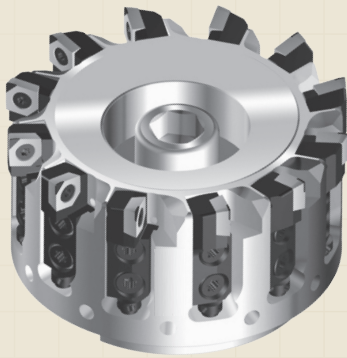
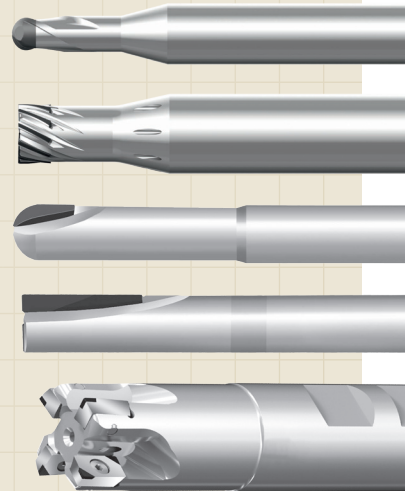
Product Overview
PCD / CVD-D / ULT-D / CBN Tools



- PCD
- CVD-D
- Ultra
Diamant
- CBN-H
- CBN-P
- CBN-K
- CBN-S
- CBN-X

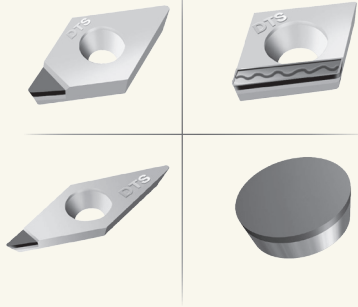


PASSION FOR DIAMOND



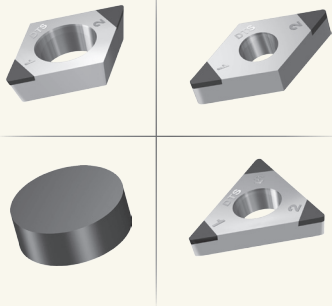
Lasered Indexable Inserts

PCD / CVD-D / UltraDiamant



- Neutral and Positive Rake geometries
- 2 Styles Laser Chipbreakers
- Specials are available upon request

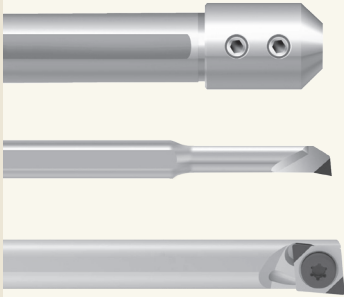
CBN Tipped Inserts



- 12 CBN grades from Stock
- Smooth to Heavy Interrupted cuts
- 3D Laser Chipbreakers are available upon request

Brazed and Inserted Boring Bars

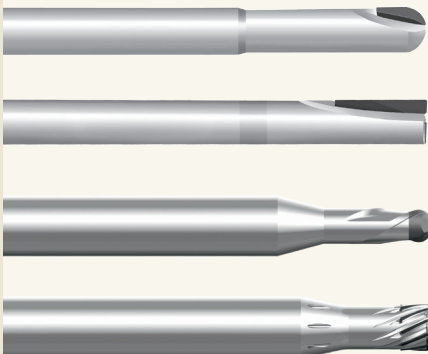
PCD / CVD/D / CBN tips



- Brazed boring bars for 1mm - 9mm Minimum bores
- Inserted Tools with range of 3.5mm - 11mm Minimum bores
- Standard adapters and hydraulic expansion holders from stock
- Specials available on Request

End Mills

PCD / CVD-D / UltraDiamant / CBN

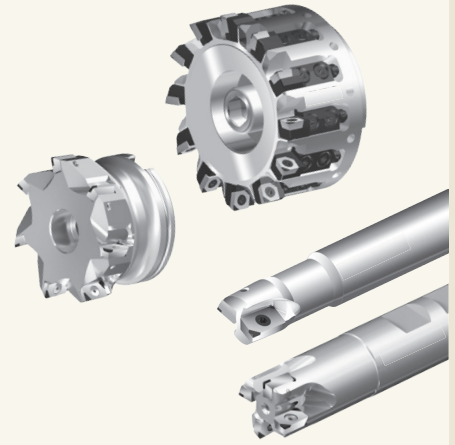


- Diamond end mills from \varnothing 0.20-20.00 mm
- Corner, ball, multi-tooth and CBN solid milling cutters available in a large selection
- Optimized, stable design for the machining of carbides, ceramics and brittle-hard materials
- Straight and helical cutting edge
- Special tools on request

Milling systems with milling inserts

PCD / CVD-D / CBN

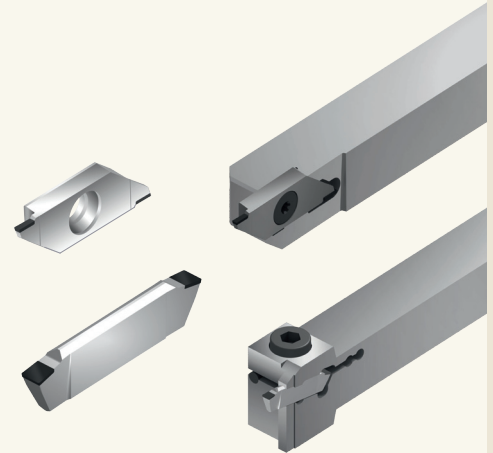
- End milling cutters from \varnothing 10-25 mm
- Inserted copy cutters from \varnothing 15-80 mm
- Shell Mills from \varnothing 32-100 mm
- Adjustable Cartridge mills from \varnothing 50-400 mm, in steel and aluminium bodies. Inch Aluminum body cutters 2" - 3"
- Multi-edged inserts, 2 cutting lengths and superfinisher edge
- For standard and high-speed machining



Grooving System

PCD / CVD-D / UltraDiamant / CBN

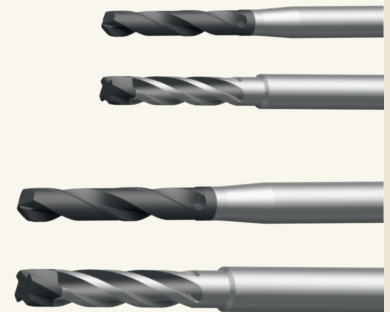
- Stable grooving system from width 1.00-6.00 mm
- Suitable for grooving turning and part-off
- Clamping and screw styles
- Form grooving tools possible
- Special tools and lasered 3D chipbreakers on request



CBN Coated Drills

Solid CBN Reamers

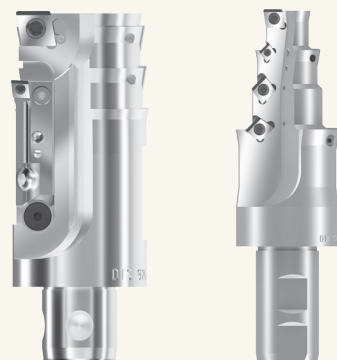
- Drill for hard drilling up to 68HRC, from \varnothing 2.00-12.00 mm, in increments of \varnothing 0.10 mm
- CBN reamers for up to 72HRC, from \varnothing 1.50-6.03 mm, in gradation of \varnothing 0.01 mm and 0.10 mm



Special Tools

PCD / CVD-D / UltraDiamant / CBN

- Combination Tools
- Inserted tools can use 3D laser chipbreaker inserts
- Brazed style tools with diamond or CBN tips are available upon request
- Design to your part prints for the best performance






Areas of application of our cutting materials

PCD

PCD




Is ideally suited for the machining of:
Aluminium <10% Si | Graphite | Copper | Copper Alloy |
Magnesium | Brass | PEEK | Tungsten alloy

-  Smooth cut
-  Slightly interrupted cut
-  Severely interrupted cut

CVD-D

CVD-D




Is ideally suited for the machining of:
Acrylic (PMMA) | Aluminium >10% Si | Glass, Fiberglass | Carbide |
Ceramics | Synthetics | Copper, Copper Alloys | Magnesium | Silver,
Gold, Platinum | Titanium | Composites (CFK, GFK) | Zirconium

-  Smooth cut
-  Slightly interrupted cut
-  Severely interrupted cut

ULT-D

ULT-D




Is ideally suited for the machining of:
Acrylic (PMMA) | Glass, Fiberglass | Carbide | Ceramics
| Zirconium

-  Smooth cut
-  Slightly interrupted cut
-  Severely interrupted cut

H

CBN-H




For the machining of:
Steels up to 72 Rc
Hardened Sintered Steels

-  Smooth cut
-  Slightly interrupted cut
-  Severely interrupted cut

P

CBN-P




For the machining of:
All Sintered materials

-  Smooth cut
-  Slightly interrupted cut
-  Severely interrupted cut

K

CBN-K




For high-speed machining of:
Grey Cast Iron (GCI)
Ductile Cast Iron (DCI)

-  Smooth cut
-  Slightly interrupted cut
-  Severely interrupted cut

S

CBN-S




For the machining of:
Inconel
Ni-, Co-, Fe- and Cr-Alloys

-  Smooth cut
-  Slightly interrupted cut
-  Severely interrupted cut

X

CBN-X

For the machining of:
Powdered metals, Hardened special alloys
ie: ASP, CPM, Hardened tool steels up to
72Rc

-  Smooth cut
-  Slightly interrupted cut
-  Severely interrupted cut