

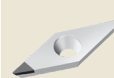
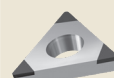
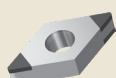
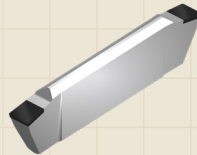
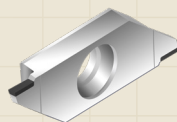
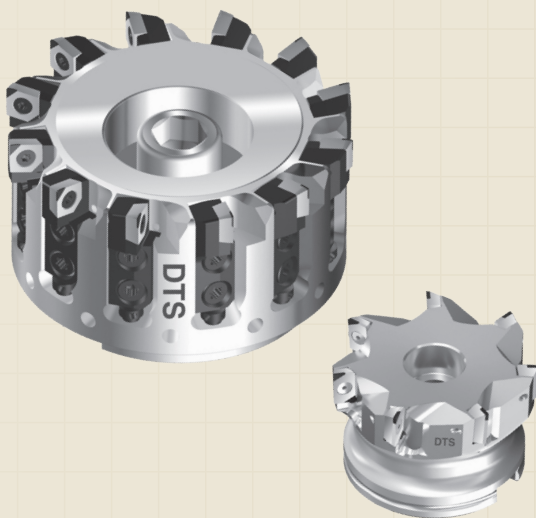


# DTS GmbH

Diamond Tooling Systems

## Product Overview

Lasered PCD, CVD-D, UltraDiamond and CBN Tools

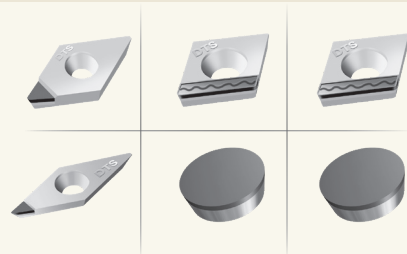


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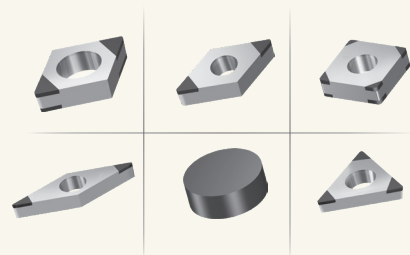


## Lasered Indexable Inserts PCD / CVD-D / UltraDiamond

- Inserts with lasered cutting edges
- Neutral and positiv inserts available
- Inserts with lasered 3D-micro chip breaker
- Special tools on request



- |                     |                  |
|---------------------|------------------|
| <b>Standard</b>     | <b>MiniTools</b> |
| • CC.../CN.../CP... | • CDGW 03/04     |
| • DC.../DN.../DX... | • DCGW 04        |
| • RB.../RC...       | • EPGW 05        |
| • SC...             | • VCGW 05        |
| • TC.../TP...       | • WCGW 02        |
| • VB.../VC.../VX... |                  |



## Indexable Inserts CBN

- 12 different CBN grades from stock
- For continuous to heavy interrupted cut
- Lasered 3D-micro chip breaker on request
- Special tools on request



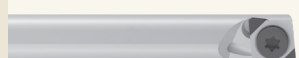
- |                     |                  |
|---------------------|------------------|
| <b>Standard</b>     | <b>MiniTools</b> |
| • CC.../CN...       | • CDGW 03/04     |
| • DC.../DN...       | • DCGW 04        |
| • RB.../RC.../RN... | • EPGW 05        |
| • SC.../SN...       | • VCGW 05        |
| • TC.../TN.../TP... | • WCGW 02        |
| • VB.../VC.../VX... |                  |
| • WC.../WN...       |                  |

### Boring Bars with brazed edges



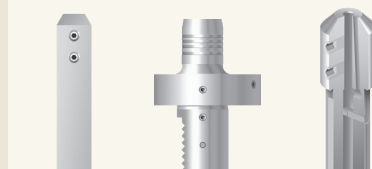
Dmin 1,00-9,00 mm

### MiniTools with insert holder



Dmin 3,50-11,00 mm

### Clamping adapter and hydraulic expansion chuck



## Boring Bars | MiniTools with Inserts PCD / CVD-D / UltraDiamond / CBN

- Brazed boring bars from Dmin 1,00-11,00 mm
- Boring bars for turning and fine boring
- MiniTools with indexable multiple edge tipped inserts for fine boring
- Standard tool holder and hydro clamp chucks on stock
- Special tools on request



### End Mills with brazed edges



Ø 0,90-20,00 mm

### Mini End Mills with PCD/CBN solid edge



Ø 0,20-12,00 mm

### End Mills with insert holder



Ø 10,00-25,00 mm

## End Mills PCD / CVD-D / UltraDiamond / CBN

- End mills from Ø 0,20-25,00 mm
- Corner, radius, multi-tooth and PCD/CBN Solid end mills in large selection available
- Optimized, stable version for machining carbide, ceramics and brittle hard materials
- Straight and twisted cutting edges
- Special tools on request



## Milling Cutter Systems with Inserts PCD / CVD-D / CBN

- Face, corner and weldon end mills from Ø 10-25 mm
- Copy end mills from Ø 15-80 mm
- Face and 90° shoulder cutter from Ø 32-100 mm
- Flexible milling cutter systems with adjustable cartridges from Ø 50-400 mm, carbide base in aluminum and steel
- All milling inserts are multiple edge tipped
- For standard and high speed machining

Ø 32,00-400,00 mm



Ø 10,00-25,00 mm



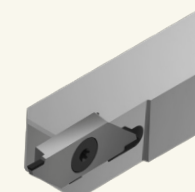
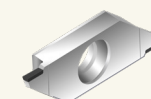
Indexable Milling Inserts  
AOEX, CPGW, RDHX, RPGW, SPGW

## Grooving Systems PCD / CVD-D / UltraDiamond / CBN

- Stable grooving system starting from width 1,00-6,00 mm
- For grooving, profile turning and parting
- Multi-edged tipped diamond and CBN inserts
- Also form grooving tools possible
- Special tools and 3D-micro chip breaker on request



MICRO - Line  
Grooving width 1,00 - 2,00



ECO - Line  
Grooving width 2,00 - 6,00



## CBNCoat Drills Solid CBN Reamers

- Drills for hard drilling up to 68HRC, from Ø 2,00-12,00 mm, in increments of Ø 0,10 mm
- CBN Reamers for hard drilling up to 72HRC, from Ø 1,50-6,03 mm, in increments of Ø 0,01 mm and 0,10 mm



### CBN Coat Drills

Ø 2,00-12,00 mm



### Solid CBN Reamers

Ø 1,50-6,03 mm

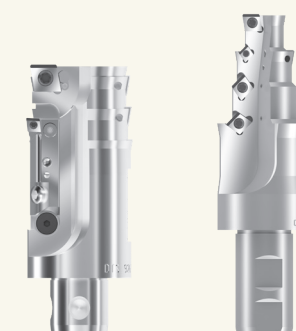


## Special Tools PCD / CVD-D / UltraDiamond / CBN

- Intelligent combination tools
- For the application adjusted 3D-micro chip breaker
- Tipping the provided base bodies with diamond or CBN cutting materials possible
- Initial design of special tools and processes

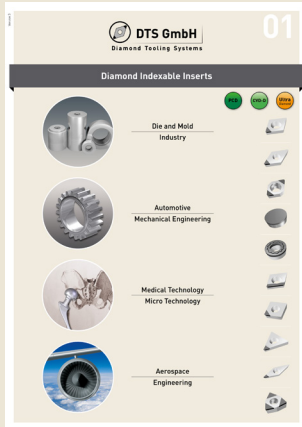


Special solutions  
on request

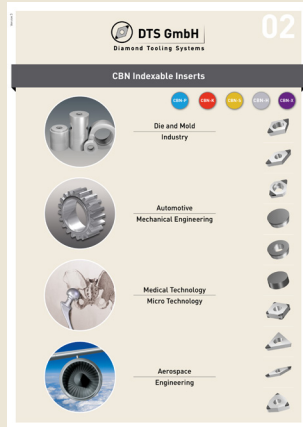


# Our product catalogs

## 01 Diamond Inserts



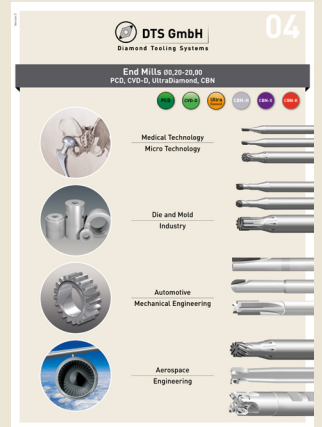
## 02 CBN Inserts



## 03 Precision Boring Bars



## 04 Diamond | CBN End Mills

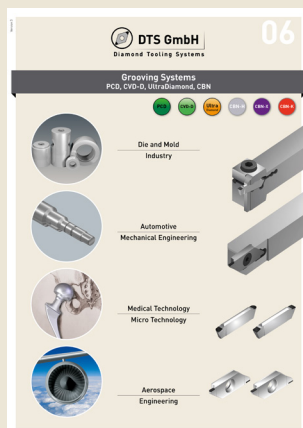


PASSION FOR DIAMOND

## 05 Diamond | CBN Milling Systems



## 06 Diamond | CBN Grooving Systems



## 07 Drills Reamers



## 08 Tool Holder

