





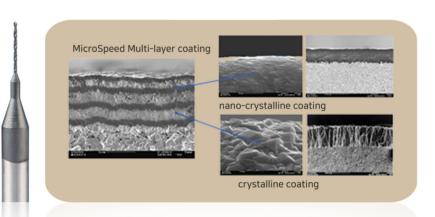
1625

The Best Solution for the Problems of Tolerance and Concentricity of Electro-deposited Drills,
And high Prices of PCD Drills

CORE TECHNOLOGY OF GCT DIAMOND COATING

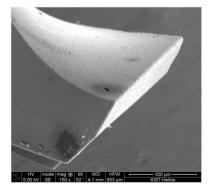


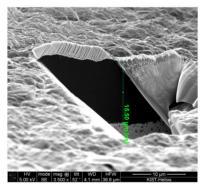
GCT diamond coating is a multi-layer diamond-coating system consisting of several crystalline and nano-crystalline layers. It has the hardness of natural diamond level and absorbs the outer shocks perfectly.

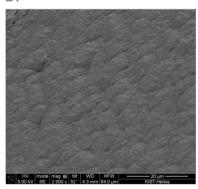


FIB(Helios) pictures by KIST

Korea Institute of Science and Technology

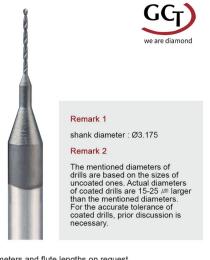








Ø (mm)	Flute length (mm)	
0.10	1.8	-
0.15	2.0	-
0.18	2.5	-
0.20	1.5	3.0
0.25	3.0	-,
0.30	5.5	-
0.35	5.5	-
0.40	5.5	-
0.45	7.0	11.5
0.48	5.5	-
0.50	7.0	12.5
0.52	7.0	-
0.55	7.0	-
0.60	7.0	-
0.65	7.0	-
0.70	7.0	-
0.80	7.0	12.0
0.90	7.0	12.0
1.00	7.0	12.0
1.10	7.0	12.0
1.20	7.0	12.0
1.30	7.0	12.0
1.40	7.0	12.0
1.50	7.0	12.0



Further diameters and flute lengths on request.

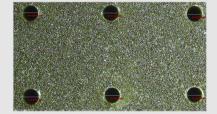
- Type 1625:
 thicker diamond coating and application-specific design
- for extremely high wear requirements right hand cutting, right twisted

- shank Ø 3.175mm overall length 38.10mm
- tolerances according to GCT drill specification
 made of solid carbide

High Purity Al₂O₃ / AlN / ZrO₂ : Ø0.1, Ø0.15 hole drilling



Ø0.1 Drill machining (x300) high purity Al₂O₃



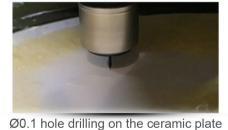
Ø0.1 Drill machining (x300) **AIN**



Ø0.15 Drill machining (x60) Zirconia (ZrO₂)



Ø0.1 hole drilling on the ceramic plate with an ultrasonic spindle



with old-type MCT. Only if Collet can be used correctly, anyone can drill Ø0.1 holes.



Ø0.48(F/L 5.5mm)



50 pcs clamping box: Ø0.18



