

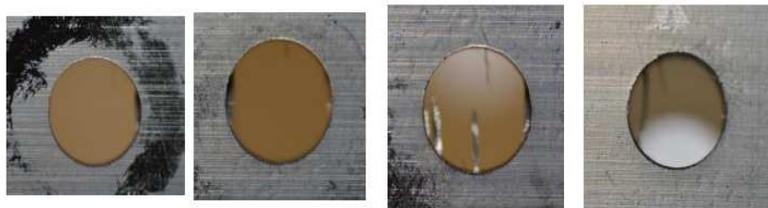
Features of PCD (polycrystalline diamond) drill



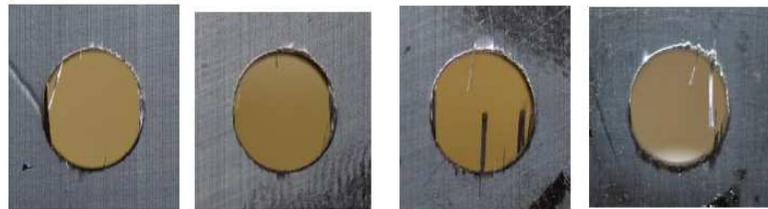
- Bonding PCD to cemented-carbide part by brazing
PCD length is 2.5mm from carbide part
Enables process of composites and brittle materials
CFRP (Carbon fiber reinforced plastics)
BFRP (Boron fiber reinforced plastics)
GFRP (Glass fiber reinforced plastics)
Ceramic silicon nitride
Quartz glass, etc.
- Excellent tool service life
10 times longer tool life than conventional tools

Comparison of PCD Drill and Diamond Coated Drill

CFRP processing by PCD drill



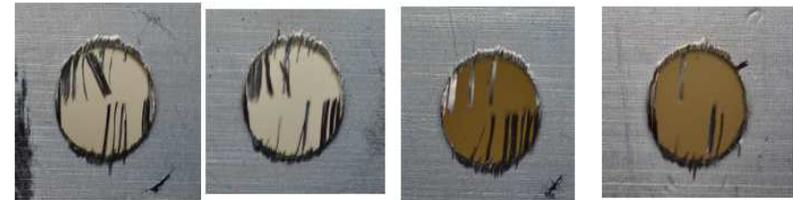
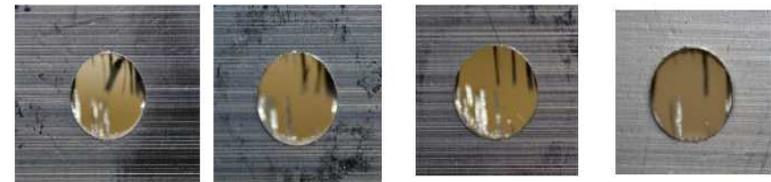
Upper side



Bottom side

1hole 10 holes 20 holes 100 holes

CFRP processing by diamond coated drill



1hole 10 holes 20 holes 100 holes

※ Tested CFRP : T700SC/2592 (0/45/90/-45)_{2s} , Laminated plate thickness 2.4mm