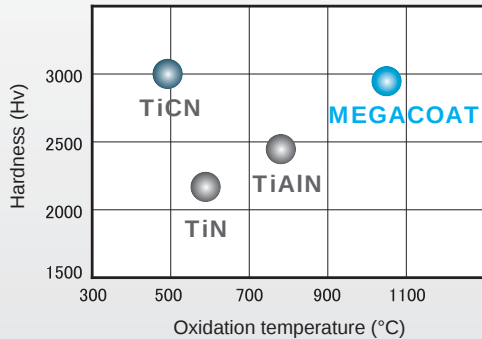


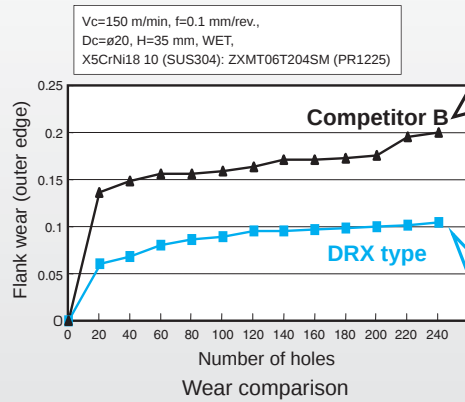


New Insert Grade: The three grades are coming (PR1230: for Steel, PR1225: for Stainless Steel / Low Carbon Steel, PR1210: for Cast Iron)

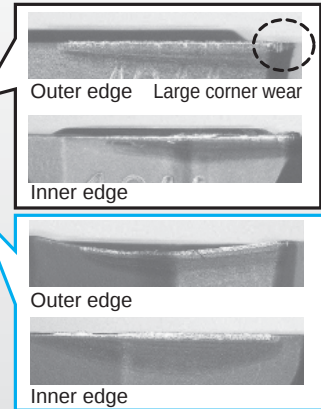


MEGACOAT's High oxidation resistance

MEGACOAT
is adopted to enable Longer
Tool Life

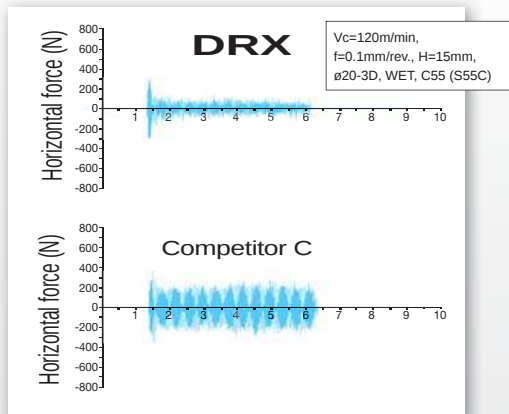


**Better wear resistance than
competitor B
Achieving long Tool Life**



High Precision: Balanced System

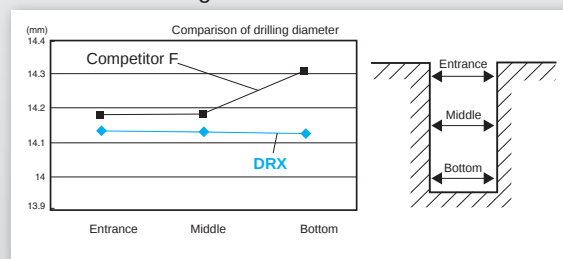
Vibration comparison



Less vibration due to well balanced at Drilling

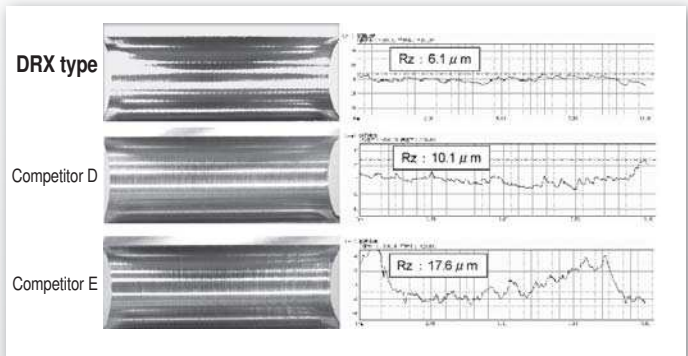
Better finishing surface

Variation of drilling diameter



Finished surface comparison

Vc=180m/min, f=0.15mm/rev., H=60mm (through hole),
ø20-3D, WET, C45 (S45C), NC Lathe



Better finished surface than Competitor D and E

Possible to extend tool life of next process

Comparing to competitor F, its excellent chip evacuation performance provides a maintained good balance and less variation in cutting dia. Drastically improved straight machining capability