

Flank Master (Peripheral grinding and finish grinding of cutting edge)

For carbide / cermet cutting tools Type-R



■ Features

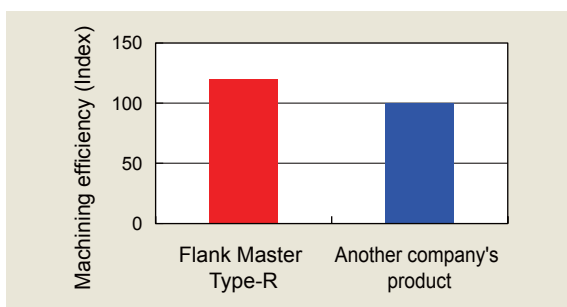
Applies special metal filler to improve heat radiation drastically. Realize good cutting ability and long tool life by reducing heat deterioration of grit and bond from cutting heat.

■ Peripheral grinding of cemented carbide insert

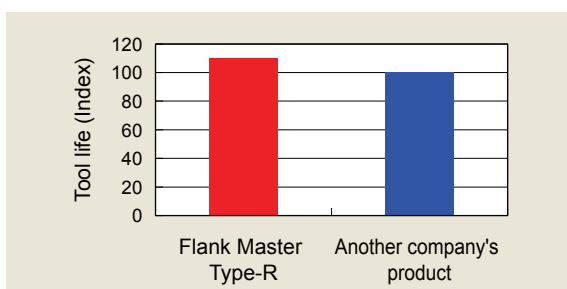
1. Conditions

- 1) Machine : NC peripheral grinder
- 2) Workpiece : carbide
- 3) Coolant : water-soluble
- 4) Wheel
 - SD400N100BFX (Flank Master Type-R)
 - SD400-100B (made by another company)

2. Results



*Another company's product shown with index of 100



*Another company's product shown with index of 100

For PCD / PcBN cutting tools Type-V



■ Features

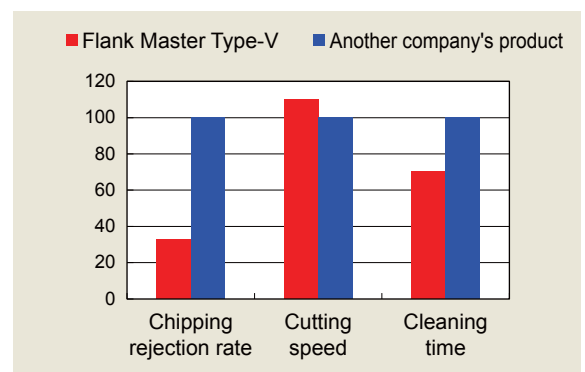
Combination of bond which has superior grit retention and pore structure realize good grinding ability and wear resistance that lead to high-efficiency and high-accuracy grinding

■ Peripheral grinding of PCD insert

1. Conditions

- 1) Machine : NC outer grinder
- 2) Workpiece : PCD (Polycrystalline Diamond)
- 3) Coolant : water-soluble
- 4) Wheel
 - SD2000N2-VPD (Flank Master Type-V)

2. Results



*Another company's product shown with index of 100

Cutting surface comparison



Flank Master Type-V

Another company's product