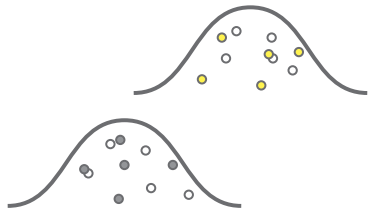


1 Raw Material

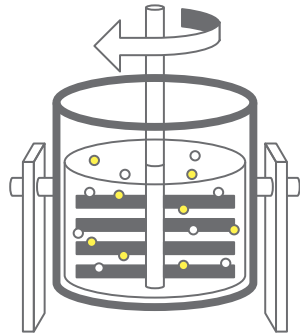


| | |
|---------------|----------|
| Main material | WC |
| Metal binder | Co, Ni |
| Others | TiC, TaC |

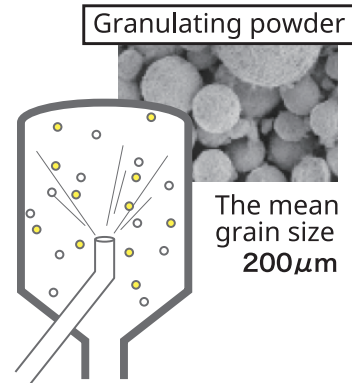
- Materials from ore
- Materials from recycling

2 Ready-to-press Powder

Crushing & Mixing

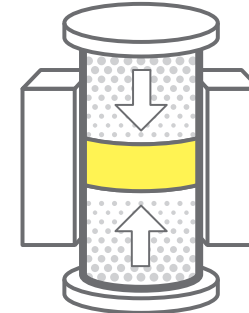


Drying & Granulating

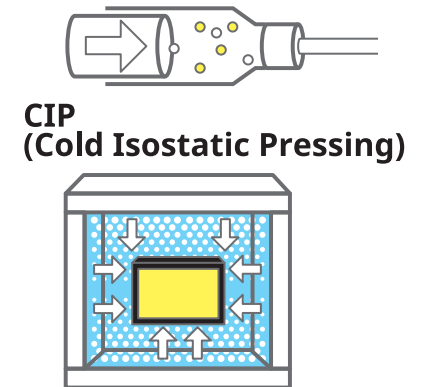


3 Pressing / Extruding

Pressing

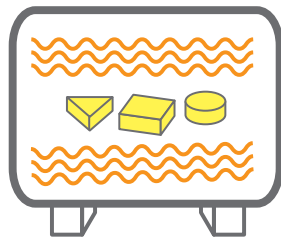


Extruding



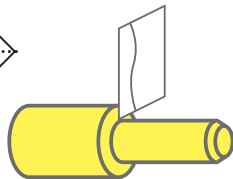
4 Forming (some of the products)

Semi-Sintering

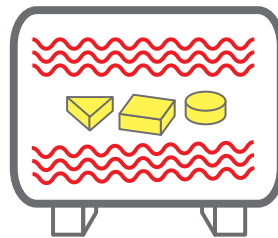


400~700°C

Forming (Machining)



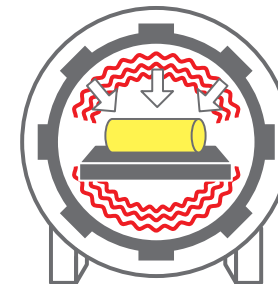
5 Sintering



1400~1500°C

6 HIP (Hot Isostatic Pressing)

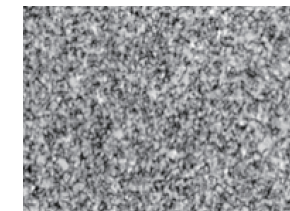
*some of the products



1400~1500°C
100-1000 atmospheric
with gas pressure

7 Inspecting

Physical properties Dimensional & visual inspection



Ultra fine grain structure's micrograph

8

Packing & Shipping