

# Wave Ball Mill for Finishing WBMF Type

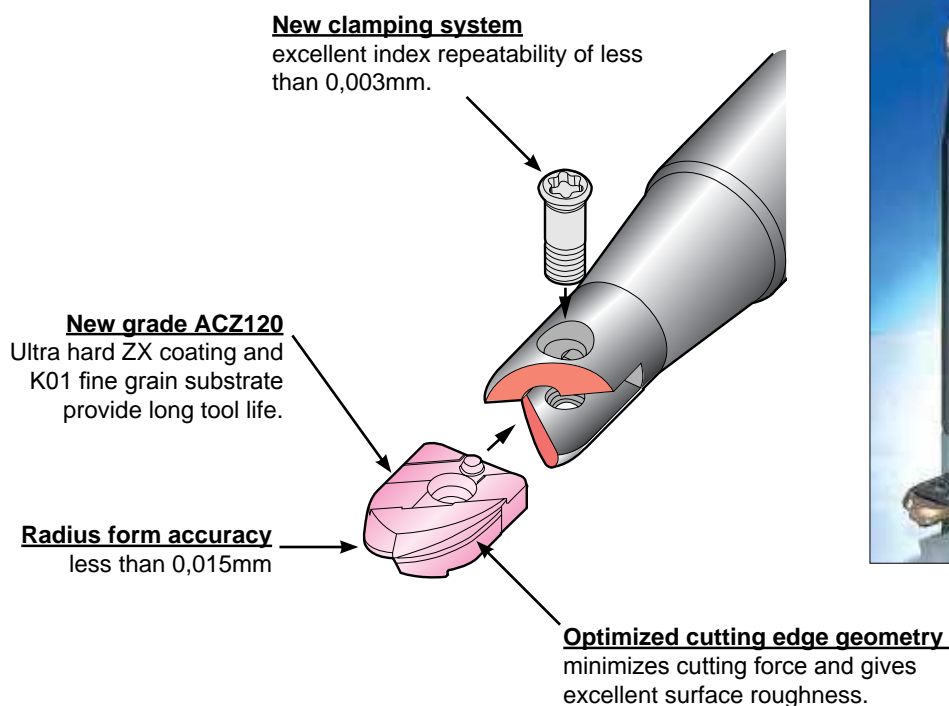


## ■ Features

The outstanding results obtained from this finishing cutter are due to the combination of its large sigmoid blade and precise clamping system making it extremely rigid !

The WBMF achieves an excellent machined finish greatly reducing hand finishing and polishing operations.

- Advantages
- Unique rigid clamping system
  - Large sigmoid blade
  - Smooth cutting action
  - High quality machined surface
  - Ultra hard ZX coated cutting edge



## ■ Application Example

<p>● Bumper Moulding Die</p> <p>Work Material : C55</p>	
<p>&lt;Results&gt; Surface roughness after continuous cutting for twelve hours was better than other manufacturer's product. Less width of flank wear was observed.</p>	
<p>WBMF1200M (ø20mm) Insert : ZPGU2471100 Grade : ACZ120</p>	<p>Cutting Conditions  <math>v_c = 88 \text{ m/min}</math>  <math>v_f = 700 \text{ mm/min}</math> (<math>f_t = 0,25 \text{ mm/tooth}</math>)                      Width of Cut : 0,5 mm                      Depth of Cut : 0,5 mm                      Dry</p>

<p>● Bumper Moulding Die</p> <p>Work Material : C50</p>	
<p>&lt;Results&gt; Smooth cutting and good surface finish after continuous cutting for eight hours</p>	
<p>WBMF1200M (ø20mm) Insert : ZPGU2471100 Grade : ACZ120</p>	<p>Cutting Conditions  <math>v_c = 190 \text{ m/min}</math>  <math>v_f = 1200 \text{ mm/min}</math> (<math>f_t = 0,21 \text{ mm/tooth}</math>)                      Width of Cut : 0,2 mm                      Depth of Cut : 0,2 mm                      Dry</p>