

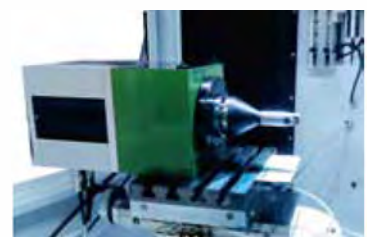
ZT-180 High Precision PCD & PCBN Tools' Grinder

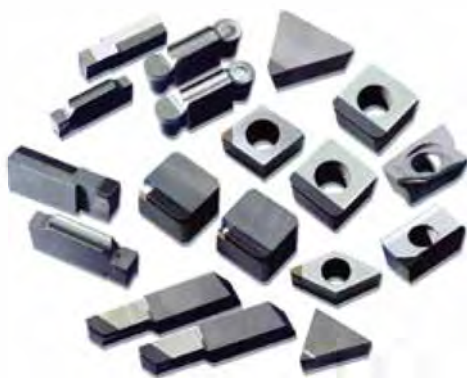


ZT-180 is a high precision PCD & PCBN tools automatic grinder, especially for indexable inserts and milling cutters. The feed shaft is equipped with a linear motor, which has more precise movement and fast reaction speed. It can grind large radius and irregular curves by interpolation through two-axis linkage. High precision grinding of complex curve edge such as groove cutter can be accomplished in one clamping. Two sets of grinding wheel dressers, one is responsible for grinding wheel leveling, and the other is responsible for cleaning the surface of grinding wheel online. We can also provide professional high precision rotary tool attachment, 4-axis linkage, realize automatic and manual grinding.

Design Features:

- Extremely rigid construction with heavy duty cast iron body, more than 18 months natural ageing, stable and durable.
- SCHNEEBERGER heavy duty and precision linear slide guide for its accuracy and long life.
- Vertical axis reducer adopts high precision reducer, almost zero clearance.
- 5-axis CNC and 4-axis linkage, the whole grinding process is fully automatic and closed-loop control.
- Linear grating and angle encoder are FAGOR products, ensure measurement accuracy.
- Equipped with high precision and high sensitivity probe to realize on-line measurement.
- The main servo motor is of Yaskawa servo motor.
- Feed shaft adopts a linear motor, with good rigidity, high precision and fast reaction.
- Spindle motor is of Taiwan brushless motor, stable and durable. Electric spindle can also be optional.
- Two sets of grinding wheel dressers, one is responsible for grinding wheel leveling, the other is responsible for cleaning the surface of grinding wheel online.
- Equipped with electronic handwheel, can easily adjust the position of each machining shaft and achieve manual grinding.





Technical Parameters:

Tips Radius	Unlimited
Grinding Pressure	0-450N (adjustable)
Spindle Speed	0-4200RPM (adjustable)
Grinding Wheel Size	150*40*40mm (D*H*T)
Grinding Wheel Oscillation Frequency	0-45/min (adjustable)
Grinding Wheel Oscillation Distance	0-40mm (adjustable)
Grinding Wheel Height Adjustment	140mm
Grinding Wheel Traveling Range	400mm
Grinding Wheel Inclination	-13°~+24°
Cross Table Swiveling Angle	270°
Size of Cross Table	210mm*160mm with 4 T grooves
Readout of Linear Gratings	0.001mm
Spindle Power	2.2kW
Dimension	1850*2100*1650mm (L* H*W)
Net Weight	2080kgs