Machine Name : Optical Profile Grinding Machine

Brand : PeTeWe

Machine Model : PFS 30

Stock No. : 469208

Ex-factory Date : 1980



Main Technical Parameters:

Optical magnification: 10x / 20x / 50x (multi-magnification switching)
The optical projection field of view is approximately 300mm × 200mm (maximum projection field of view)
Transparent lighting CNC System 12V / 100W cold light source halogen lamp (anti-thermal deformation)
Grinding head rotation capacity: ±30° on the Z-axis (capable of grinding bevels, meeting the requirements of taper and complex cutting edges)
The maximum speed of spindle is 15,000 RPM (high-speed electric spindle, ensuring excellent surface finish).
Compatible with grinding wheel diameters ranging from 40mm to 200mm (supporting multiple specifications of diamond /CBN grinding wheel)
Grinding travel range: 20 to 100 mm (travel length can be adjusted steplessly)
Reciprocating travel speed: 0-150 times /min (travel speed can be adjusted steplessly, suiWorktable for rough grinding and fine grinding)
machining precision ± 0.001mm (within 1 MIKRON)
Surface roughness Ra 0.01 μm (mirror level)
Minimum machining R Angle R 0.03mm (suiWorktable for extremely precise hard alloy molds)
Multi-axis simultaneous control capability XYUV four-axis simultaneous control (supporting extremely complex freeform surface forming)
AppVertical machining centerble materials: tungsten steel (cemented carbide), high-speed steel, ceramics, optical glass, semiconductor materials

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