



DW-PM02
Polishing Machine



Features

- ◆ For surface-polishing of ceramics (including high hardness of ZrO₂), quartz, glass, metal, and plastic etc
- ◆ 4-corner pressing structure, and can be set arbitrary polishing time according to the processing requirement
- ◆ Polish plate pulsation :< 0.01mm.
- ◆ Automatic recording grinding using frequency, can be used to guide the operator according to the grinding paper using frequency adjustment of grinding time
- ◆ Easy to load/ unload holder and change polishing-film.
- ◆ The processing quality is stable, the repair rate is low, high production efficiency
- ◆ Using Polymer waterproof material to ensure electrical the security.
- ◆ Materials used S136 stainless steel imported from Germany



Description:

DW-PM02 type optical fiber grinding machine is based on the international general standard and long-term practical experience of optical fiber connector production equipment, suitable for all kinds of optical fiber connector end face grinding, and to ensure that products indicators advanced stability, high production efficiency, material cost less.

Can grind connector types: FC/PC, FC/APC, SC/PC, SC/APC, ST/PC, ST/APC, LC/PC, LC/APC, MU, MTRJ, MPO, MTP, E2000, etc., only need to configure the connector type of grinding fixture.

Connected by DW-PM02 type grinding head has low insertion loss, return loss value is high, the advantages of interchangeability repeatability is very good.

DW-PM02 type optical fiber polishing machine, the stability is good, easy to operate.

Parameter

Machine Size:	L 265(mm) × W 220(mm) × H 270(mm)
O.D. of Rotation Plate:	127 mm (5 inch)
Time Settings :	180 min (Max)
Speed for Rotation Plate :	90 rpm
Height of Plate Jumpiness	<10 um
Pressure Configuration	0 ~ 4,8kg
Work Temperature	0 ~ 40 Celsius degrees
Relative Humidity	15%~85%
Noise	unloading Less 50 dB
Libration	Working Status 0.25g 5~100Hz 10min Stopping Status 0.50g 5~100Hz 10min
Power Supply	AC220V ~ 240V, 50HZ, 240W
Weight	29kg

Application Scope

No.	Material	Type	Remark
1	ZrO ₂ Ceramic Ferrules	φ2.5mm, φ2.0mm, φ1.25mm	PC、APC
2	Quartz capillary	φ1.8mm	Plane, inclined plane and spherical surface
3	Glass materials	φ1.0mm, φ10.0mm	
4	Stainless steel and titanium alloy	φ3.0mm, φ2.5mm	



Standard Polishing Results

PC/UPC (R20)

Polishing Process:	4 processes (not including "Remove Glue")
Return Loss:	≥50 dB
Top Curvature:	10~25 mm
Top Excursion:	≤50 nm
Core Hollow:	≤0.1 um
Surface Roughness	≤50 nm

Options for Polishing jigs

No.	Model	Description	Remark
1	DW-PJFC20	FC/PC connector style jig, 20 positions	φ2.50mm,20 positions
2	DW-PJST20	ST/PC connector style jig, 20 positions	φ2.50mm,20 positions
3	DW-PJSC20	SC/PC connector style jig, 20 positions	φ2.50mm,20 positions
4	DW-PJFC20	FC/PC connector style jig, 24 positions	φ2.50mm,24 positions
5	DW-PJST24	ST/PC connector style jig, 24 positions	φ2.50mm,24 positions
6	DW-PJSC24	SC/PC connector style jig, 24 positions	φ2.50mm,24 positions
7	DW-PJMU24	MU/PC connector style jig, 24 positions	φ1.25mm,24 positions
8	DW-PJLC24	LC/PC connector style jig, 24 positions	φ1.25mm,24 positions
9	DW-PJMU40	MU/PC connector style jig, 40 positions	φ1.25mm,40 positions
10	DW-PJLC40	LC/PC connector style jig, 40 positions	φ1.25mm,40 positions
11	DW-PJFCA18	FC/APC connector style jig, 18 positions	φ2.50mm,18 positions
12	DW-PJSCA18	SC/APC connector style jig, 18 positions	φ2.50mm,18 positions
13	DW-PJMUA18	MU/APC connector style jig, 18 positions	φ1.25mm,18 positions
14	DW-PJLCA18	LC/APC connector style jig, 18 positions	φ1.25mm,18 position
15	DW-PJMJA18	MTRJ connector style jig, 18 positions	18 positions
16	DW-PJMPO18	MPO connector style jig, 18 positions	18 positions