



**DW-PM01**  
**Polishing Machine**



**Features**

- ◆ For surface-polishing of ceramics (including high hardness of ZrO<sub>2</sub>), 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 :< 0.015 mm.
- ◆ 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

**Parameter**

Machine Size:	L 240(mm) × W 240(mm) × H 260(mm)
O.D. of Rotation Plate:	127 mm ( 5 inch )
Time Settings :	99 min 99 sec (Max)
Speed for Rotation Plate :	90 rpm
Height of Plate Jumpiness	<10 um
Pressure Configuration	21 ~ 36 N/cm <sup>2</sup>
Work Temperature	10 ~ 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

**Application Scope**

No.	Material	Type	Remark
1	ZrO <sub>2</sub> 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)**

<b>Polishing Process:</b>	4 processes (not including "Remove Glue")
<b>Return Loss:</b>	≥50 dB
<b>Top Curvature:</b>	10~25 mm
<b>Top Excursion:</b>	≤50 nm
<b>Core Hollow:</b>	≤0.1 um
<b>Surface Roughness</b>	≤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-PJFC24	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