

## Polishing Machine Application

### Equipments:

#### 10" Programmable Precision Lapping/Polishing Machine - Unipol-1000S



#### 8" Precision Auto Lapping and Polishing Machine - EQ-Unipol-802



CE

**Testing Equipment#1:**

10" Programmable Precision Lapping/Polishing Machine - Unipol-1000S



<b>Testing Materials:</b>	316 Stainless Steel
<b>Testing Object:</b>	Precise Polishing

**Testing Data:**

<u>Grinding Material</u>	Grade	Upper RPM	Bottom RPM	Pressure (MPa)	Duration (min)	Related consumable items
Sic Sand Disc	400	50	70	0.15	1.5	
Sic Sand Disc	800	50	80	0.15	1.5	
Sic Sand Disc	1200	60	90	0.15	1.5	
Sic Sand Disc	1500	60	100	0.15	1.5	
Sic Sand Disc	2000	70	90	0.15	1.5	
<u>Diamond Paste</u>	0.5µm	70	260	0.25	0.5	<u>10" Poromeric Polishing Pad</u>

**Sample Result Images:**



## Testing Equipment#2:

[8" Precision Auto Lapping and Polishing Machine - EQ-Unipol-802](#)



<b>Testing Materials:</b>	Transparent Ceramic
<b>Related Equipments:</b>	2" Polishing Fixture - <a href="#">EQ-PF-2-1</a> 280 °C Max. Precision Hot Plate- <a href="#">EQ-HP-3040</a>
<b>Testing Object:</b>	Double surface polishing with adjustable thickness

## Testing Data:

<u><a href="#">Grinding Material</a></u>	Grade (um)	RPM (r/min)	Pressure (kg)	Timer (min)	Used Parts
Diamond Paste	28	35	2.7	20	Cast Iron Polishing Plate
Diamond Paste	14	35	2.7	20	Cast Iron Polishing Plate
Diamond Paste	7	35	2.7	20	Cast Iron Polishing Plate
Diamond Paste	1.5	120	2.7	25	Cast Aluminum Polishing Plate with <u><a href="#">8" Poromeric Polishing Pad</a></u>

## Sample Result Image:

