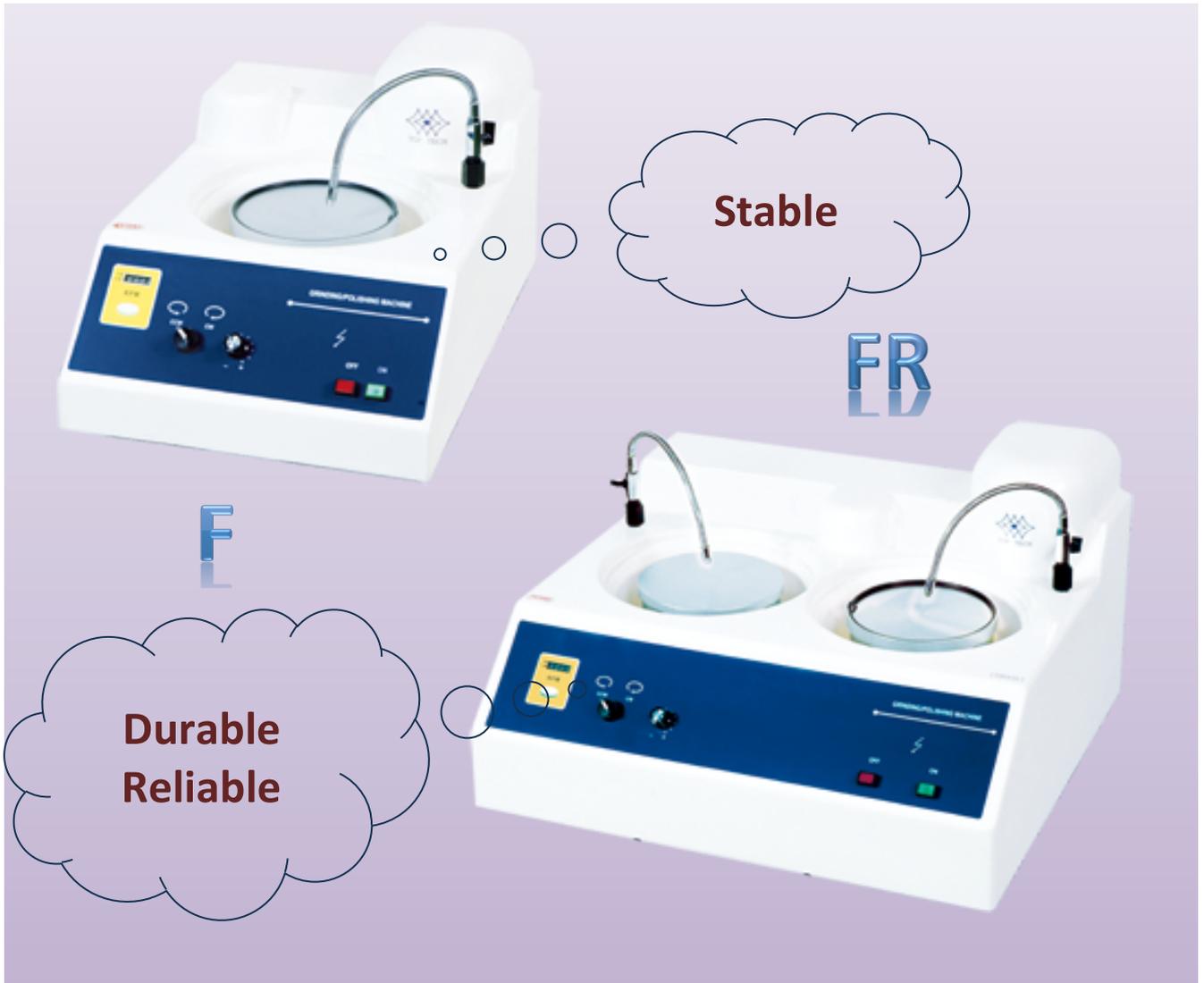


# Manual Grinder/Polisher

F/FR



## Instruction



### Operation video

#### Patent grinding platen

Fix silicon carbide paper  
easy and quickly

#### Aluminum polishing platen

Install polishing cloth easy  
and quickly

#### Rotational direction

Plate can rotate in both  
clockwise / anti-clockwise



#### Variable rotational speed

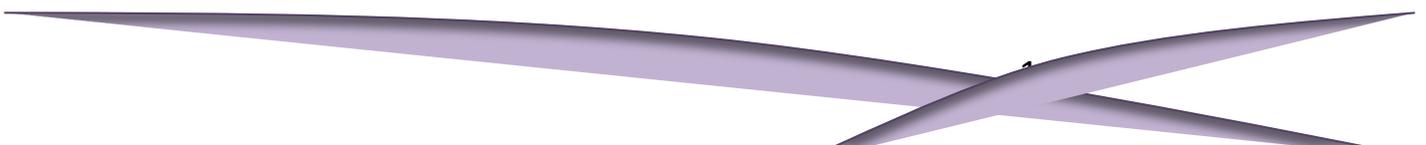
Adjust the speed according  
to different sample material

#### Digital rotational speed display

Specific speed can be read

#### High efficiency motor

Low rotational speed with high  
torque ensure precision



## Features

P20F0027  
Dispenser  
one bottle type



P20F0028  
Dispenser  
four bottle type



Option

Quick connector  
Main power switch  
Built-in fuse wire  
devices



Spec.	Order no.
Ø203.2	D321.001
Ø254	D322.001
Ø304	D323.001



Patent grinding plate

or



Polishing platen

Spec.	Order no.
Ø203.2	P20D00020101
Ø254	P25A00010201
Ø304	P30E010503

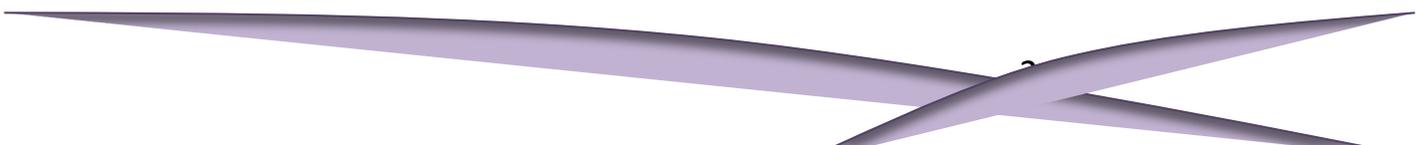


Option

Patent magnetic  
platen set

Spec.	Order no.
Ø203.2	CP0501
Ø254	CP0502
Ø304	CP0503

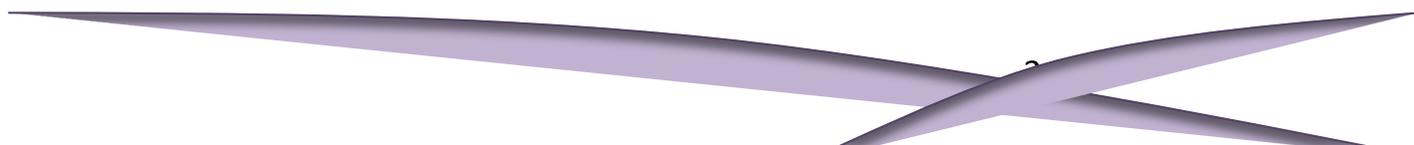
Anti-splash cover  
Light



## Specifications

Model No.	F			FR		
Platen dia. (mm)	Ø203.2mm(8")	Ø254mm(10")	Ø304.8mm(12")	Ø203.2mm(8")	Ø254mm(10")	Ø304.8mm(12")
Platen qty.	1			2		
Operation method	Manual			Manual		
Noise Level (idling)	47~52dB	48~54dB	50~55dB	50~55dB	52~57dB	54~60dB
Motor power	250W		370W	250W		370W
Rotational speed	50~600rpm (Special speed can be customized)			50~600rpm (Special speed can be customized)		
Coolant system	1 set			2 set		
Machine type	Table-top			Table-top		
Machine weight	32Kg	34Kg	63Kg	55Kg	60Kg	100Kg
Dimension (WxDxH)	45x65x38cm		50x80x50cm	75x69x46cm		85x75x46cm
Water inlet pipe	10mm pipes (Inner dia.Ø10mm - Outer dia.Ø15mm)					
Water outlet pipe	26mm pipes (inner dia.Ø26mm - outer dia.Ø30mm)			32mm pipes (inner dia.Ø32mm - outer dia.Ø36mm)		
Power supply	AC110V/220V-1 Ø			AC110V/220V-1Ø		
Standard accessories	Grinding platen 1pc		O-ring 1pc	Grinding platen 1pc		O-ring 1pc
	Anti-splash cover 1pc		Silicon carbide papers 8pc	Polishing platen 1pc		Anti-splash cover 2pc
	Abrasive polishing clothe 2pc		Aluminum oxide powder 100g	Silicon carbide papers 8pc		Abrasive polishing clothe 2pc
	500g dispenser 1pc		-	Aluminum oxide powder 100g		500g dispenser 1pc

We reserve the right of changing design without notice



## Consumables

	Model	Spec.	Materials
<b>Grinding</b>	Platinum diamond discs	No.1、 No.2 No.3、 No.4	The discs are suitable to grind a wide range of ferrous metal as well as copper and other metals.
	Silicon carbide papers (PSA)	#60~#2000	Made in Taiwan (Good values for money) Made in USA (Perfect quality)
	Silicon carbide papers (Plain backed)	#180~#2000	Made in Taiwan (Good values for money) Made in USA (Perfect quality)
<b>Polishing (Diamond)</b>	Poly-crystalline suspension	1 $\mu$ m、 3 $\mu$ m、 6 $\mu$ m 、 9 $\mu$ m、 15 $\mu$ m	Diamond is the best way for the grinding to obtain a perfect surface in the short time.
	Bio Diamante Poly-crystalline suspension	1 $\mu$ m、 3 $\mu$ m 6 $\mu$ m、 9 $\mu$ m	Bio Diamante series, which is with higher viscosity and useless consumption during grinding. The liquid to stay a long time on the surface of sample, it is suitable for low usage.
	Mono-crystalline suspension	0.5 $\mu$ m、 1 $\mu$ m、 3 $\mu$ m 6 $\mu$ m、 9 $\mu$ m、 15 $\mu$ m	Diamond is the best way for the grinding to obtain a perfect surface in the short time.
	Bio Diamante Poly-crystalline suspension	1 $\mu$ m、 3 $\mu$ m 6 $\mu$ m、 9 $\mu$ m	Bio Diamante series, which is with higher viscosity and useless consumption during grinding. The liquid to stay a long time on the surface of sample, it is suitable for low usage.
	Diamond paste	1 $\mu$ m、 3 $\mu$ m 6 $\mu$ m、 9 $\mu$ m	Use before diamond suspension It content higher percentage of diamond and offer better abrasive ability than suspension
<b>Polishing (Oxide)</b>	Aluminum oxide powder	0.05 $\mu$ m、 0.3 $\mu$ m 1 $\mu$ m、 3 $\mu$ m、 5 $\mu$ m	The soft, toughness specimens like aluminum, copper or PCB board are requested to do the final polishing by oxide particles to get perfect results.
	Final polishing suspension	0.05 $\mu$ m、 colloidal solution	Aluminum oxide is suitable for the application of low alloy steel, high alloy steel and plastic material.
<b>Polishing</b>	Polishing cloth	Rough polishing、 fine polishing	The initial polishing is usually conducted with short hair polishing cloth, and the long-hair polishing cloth is used at the step of final polishing.

*Perfect Surface.  
Always*

**Cutting / Mounting / Grinding & Polishing / Spin Coater**

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