

Manual Grinder/Polisher -Dual Motor

FRD



Instruction



Operation video



Rotational direction
Plate can rotate in both clockwise/anti-clockwise

Patent grinding platen
Fix silicon carbide paper easy and quickly

Aluminum polishing platen
Fix polishing cloth easy and quickly



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

Dual motor
Separately control the platens



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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	CP0601
Ø254	CP0602
Ø304	CP0603



Patent grinding plate

or



Polishing platen

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



Patent magnetic
platen set

Option

Anti-splash cover
Light and beauty





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Worthy Options - Working Table



Working Table

Multifunctional working table, it supplies you a place to put your machine and store your accessories. It can be moved easily.

Model No.	TF01	TF02
Size	1000*800*700 mm	1200*1000*700 mm
Sample		



Specifications

Model No.	FRD		
Platen dia. (mm)	Ø203.2mm(8")	Ø254mm(10")	Ø304.8mm(12")
Platen qty.	2		
Operation method	Manual		
Noise Level (idling)	48~53dB	50~55dB	52~56dB
Motor power	250Wx2		370Wx2
Rotational speed	50~600rpm (Special speed can customized)		
Coolant system	2 sets		
Machine type	Table-top		
Machine weight	78Kg	83Kg	123Kg
Dimension (WxDxH)	75x69x46cm		85x75x46cm
Water inlet pipe	10mm pipes (inner dia.Ø10mm – outer dia.Ø15mm)		
Water outlet pipe	32mm pipes (inner dia.Ø32mm – outer dia.Ø36mm)		
Power supply	AC110V/220V-1 Ø		
Standard accessories	Grinding plate 1pc	O-ring 1pc	
	Polishing platen 1pc	Anti-splash cover 2pc	
	Silicon carbide papers 8pc	Abrasive polishing clothe 2pc	
	Aluminum oxide powder 100g	500g dispenser 1pc	

We reserve the right of changing design without notice



Consumables

	Model	Spec.	Materials
Grinding	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 backed)	#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)
Polishing (Diamond)	Poly-crystalline suspension	1 μ m 、 3 μ m 、 6 μ m 、 9 μ m 、 15 μ m	Diamond is the best way for the grinding to obtain a perfect surface in the short time.
	Bio Diamante Poly-crystalline suspension	1 μ m 、 3 μ m 6 μ m 、 9 μ 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 μ m 、 1 μ m 、 3 μ m 6 μ m 、 9 μ m 、 15 μ m	Diamond is the best way for the grinding to obtain a perfect surface in the short time.
	Bio Diamante Poly-crystalline suspension	1 μ m 、 3 μ m 6 μ m 、 9 μ 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 μ m 、 3 μ m 6 μ m 、 9 μ m	Use before diamond suspension It content higher percentage of diamond and offer better abrasive ability than suspension
Polishing (Oxide)	Aluminum oxide powder	0.05 μ m 、 0.3 μ m 1 μ m 、 3 μ m 、 5 μ 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 μ m 、 colloidal solution	Aluminum oxide is suitable for the application of low alloy steel, high alloy steel and plastic material.
Polishing	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.

Remark: Welcome to get the more detail information of consumables in the follow link

<http://toptech.synology.me/Consumables/PolisherEN.pdf>





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*Perfect Surface.
Always*

Cutting / Mounting / Grinding & Polishing / Spin Coater

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NO.A16-01

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