



Automatic Grinding-polishing Machine GP-1000



YouTube Demo Video:

<https://youtu.be/mEYcztCFso0>

Product Feature:

1. Six pieces Φ 30mm samples can be polished simultaneous
2. Single point pneumatic holding, no demo gripper
3. Multiple functions: one machine realizes the whole process of rough grinding, fine grinding, rough polishing and fine polishing of metallographic samples.
4. Single chip microcomputer control system, frequency converter speed control, the system is stable and reliable.
5. Grinding head with automatic / manual mode can be selected.
6. Three level constant speeds: customer can define three common speeds for pre-grinding, grinding and polishing
7. The automatic mode of grinding disc has eight sections of speed programming, which can set eight sections of speed and corresponding running time. Each section of speed can be



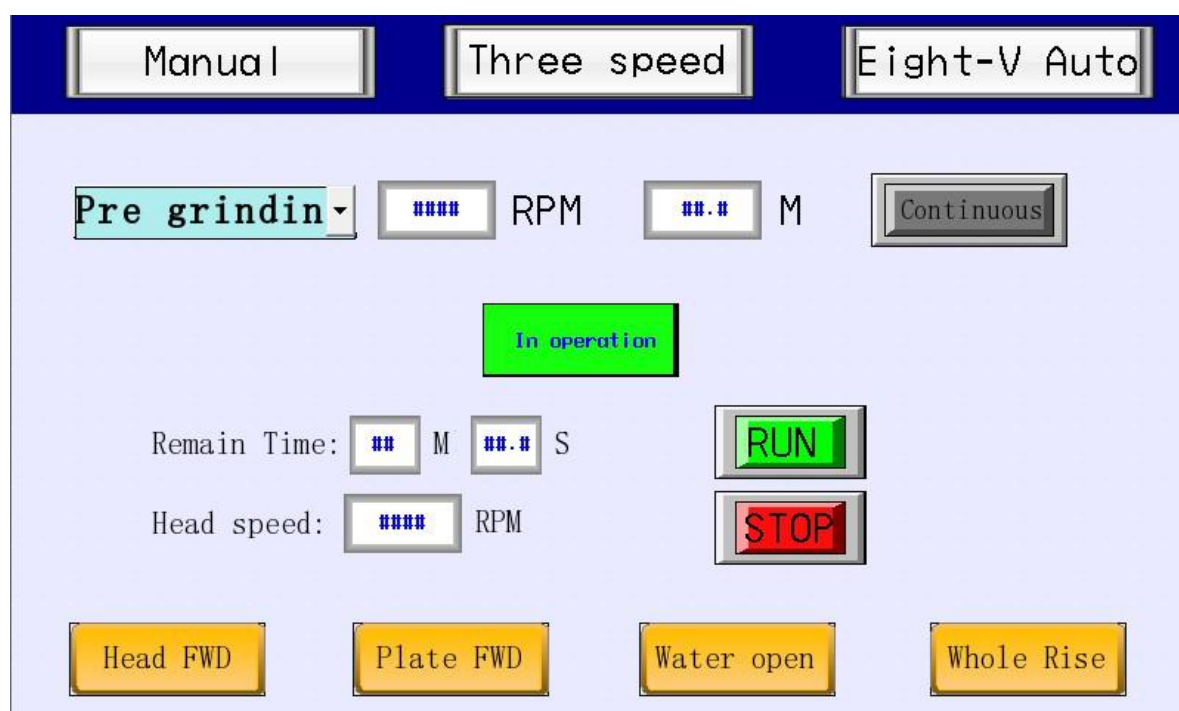
automatically shut down at the corresponding time to facilitate users to replace sandpaper and polishing tissue.

8. Through the use of solenoid valve to control the water on and off, grinding disc under the automatic water spray cleaning device, can clean the inner wall of the sink.

9. Easily replace magnetic anti-stick disk, can complete all kinds of sample coarse, fine grinding and coarse, fine polishing processes, a plate is equivalent to N plates

Beautiful outlook and good quality

Main interface of 7" touch screen:



Technical specification

Item	Specification
Working disc diameter	Standard ϕ 250mm (option: ϕ 230mm, ϕ 220mm) With magnetic transfer disk system
Sample quantity	Standard 6 pieces of ϕ 30
Grinding disc speed	100-1000 r/min The forward and backward rotation can be switched
Three level constant speed	V1=300r/min V2=500r/min V3=800r/min, can change by



	yourself
Grinding head speed	30-200r/min
Sample holder	Standard $\phi 30\text{mm}$ 6 pieces (Option: $\phi 40\text{-}\phi 50\text{mm}$ 3 pieces, other size can be customized)
Automatic mode	Can be programmed eight speed, running time and grinding wheel steering switch
Working air source pressure range	0.5-0.8MP
Sample pressure range	Suggestion:0.2-0.3MP
Power supply	AC220V, 50/60Hz
Motor power	0.75Kw
Dimension	760 x 490 x 650mm
Weight	63kg

Standard accessories

Item	Quantity	Item	Quantity
Magnetic working plate(250mm)	1piece	Anti-sticky disc(250mm)	1peice
one side sticky grinding paper(250mm) 320#, 1000#	10 pieces/each	One side sticky polishing cloth(250mm), velvet fabric	1peice
diamond polishing liquid, 6micron, 200ml	1bottle	Lubrication cooling liquid,blue,200ml	1bottle
waterproof ring	1 piece	input-water pipe adapter	1 piece
input-water pipe	1 piece	power cable	1peice
output-water pipe	1 piece	machine certification	1 set
machine manual	1 set	packing list	1 set
Machine Guarantee card	1 set		



Setting Interface:

Manual		Three Speed		Eight-V Auto	
Water open		Head down			
Plate rotat		Plate FWD		Plate speed:	#### RPM
Head rotat		Head FWD		Head speed:	#### RPM

Support 8 segments programs:

Manual		Three Speed		Eight-V Auto	
	V1:	####	RPM	####.##	S
	V2:	####	RPM	####.##	S
	V3:	####	RPM	####.##	S
	V4:	####	RPM	####.##	S
	V5:	####	RPM	####.##	S
	V6:	####	RPM	####.##	
		V7:	####	RPM	####.## S
		V8:	####	RPM	####.## S
		Remain time:	####.##	S	
		Head speed:	####	RPM	
Head FWD		Plate FWD		Water open	
Whole rise		Suspend			