

ELMAS-AMP03

Automatic Mounting/Grinding/Polishing Machine

Invention
Patents



Instruction



Pressure gauge
Pressure display
(kg/cm² or PSI)

Pressure valve
Pressure adjustment



Combination system
Steam and lubricant filter

Lubricants Supply System
Supply lubricants automatically



Fixed Leveler
Adjust the level of the machine and fix the machine

Moveable Design
Easy to move the machine



Feature

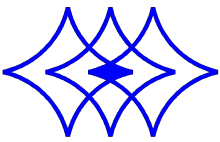
1. Full automatic mounting, grinding and polishing.
2. Mounting system and grinding system can be operated individually or be operated together for great flexibility.
3. Mounting pressure, heating temperature, heating time and cooling time is adjustable. The parameter can be adjusted due to different materials.
4. Automatic shaping, pressure adding, and cooling which meet the massive examination requirements
5. Automatic grinding and polishing after mounting.
6. The pressure is dispersed averagely to the samples during the grinding process. Although the height of the sample is different, the force is also the same.
7. The rotational speed of the grinding head and disc is adjustable during the grinding process. It's convenient to use with low speed and high torque.
8. Brilliant moveable grinding/ polishing head maximize grinding/ polishing efficacy.
9. According to different material, the pressure can be adjusted.
10. Four sets dosing system and extra one set dosing system for alumina is more flexible.
11. The material of the machine body is powder paint steel, which is more durable and safe.

Specification

Model	AMP03			
	Mounting		Grinding	
	Sample Size	∅25/ ∅32/ ∅40	No. of Platen	4 PCS
	Starting Method	Full Automatic Electric Hydraulic	Grinding Method	Automatic
	Mounting quantity	3 PCS/ Per Time 6 PCS/ Per Time (Note. 1)	Grinding Quantity	3 PCS/Per Time
	Temperature Control	1~250°C	Platen Size	8"
	Heating Time	1~60 min	Rotational Speed	1~600 rpm
	Cooling Time	1~30 min	Grinding Time	1~60000 s
	Heating Capacity	4500 w	Dispenser	5 sets
	Pressure Setting	40~200kg/cm ²	Grinding Pressure	1~6 kg
	Memory Mode	5	Memory Mode	8
Water Inlet/Outlet	Solenoid Valve Inlet/Outlet System			
Dimension	2200(W)x1200(D)x2200(H)			
Weight				
Power Supply	AC 220V 3∅			

Note. 1: Mounting six samples per time needs to purchase the extra spacer. But only mounting system can be used.

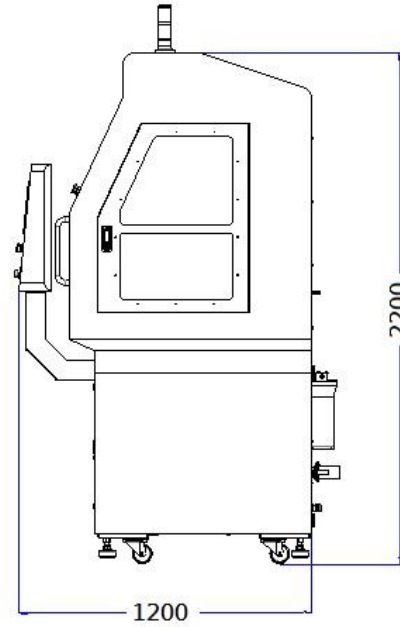
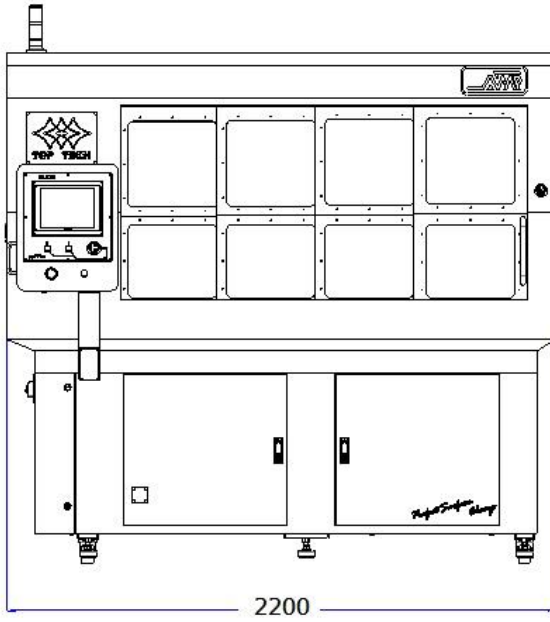
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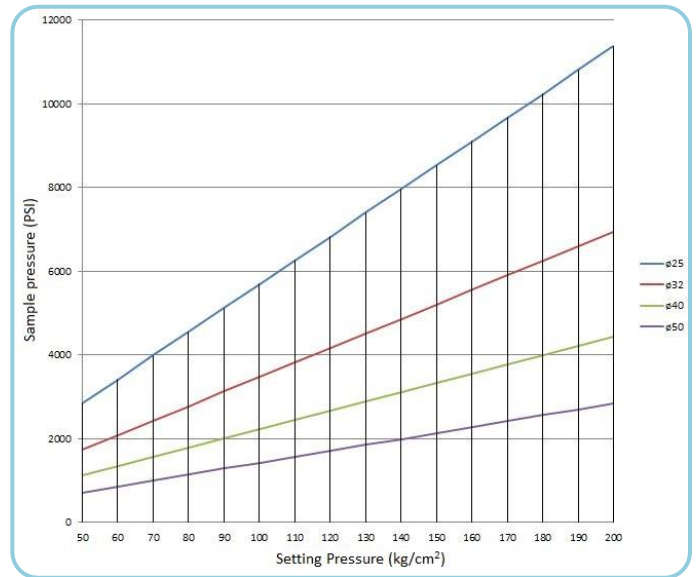
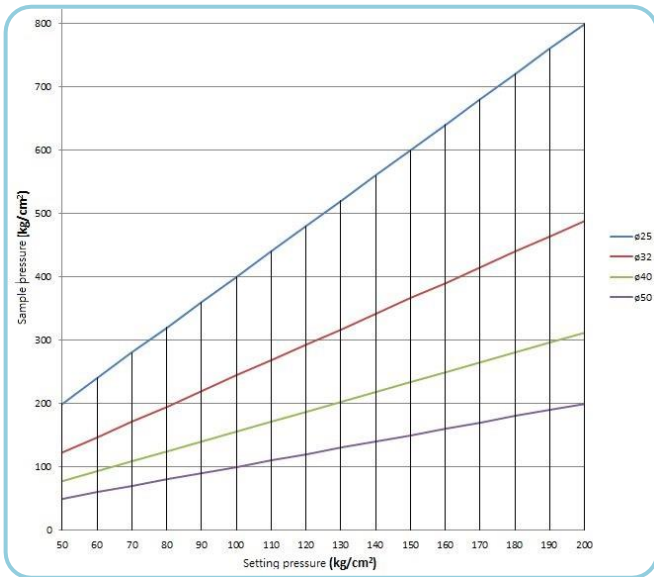
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Parameter

Dimension

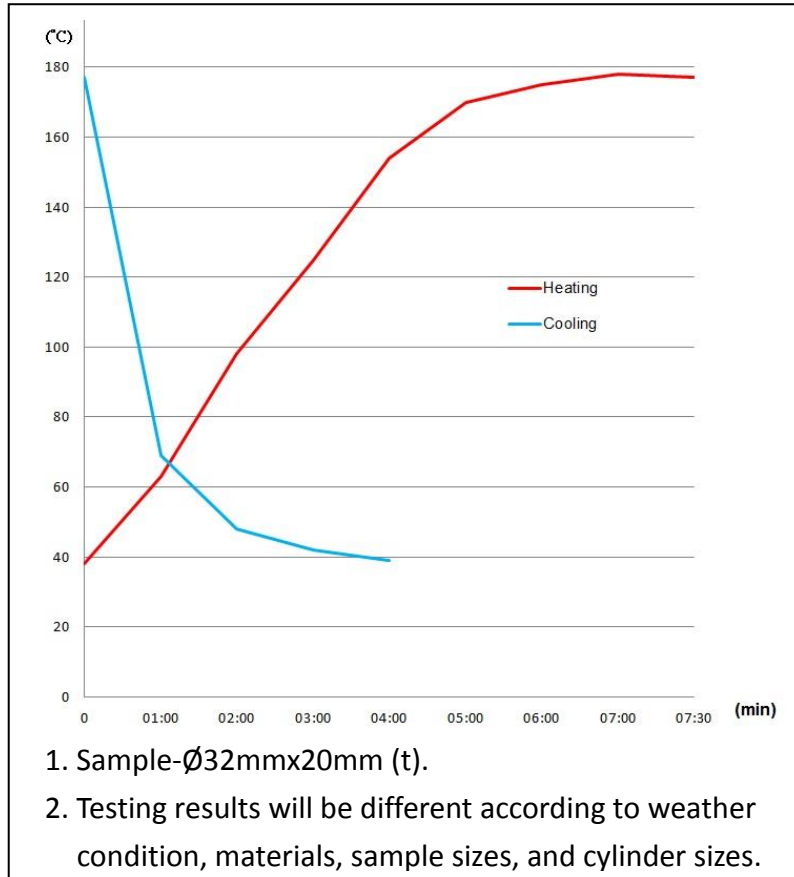


Setting pressure and sample pressure comparison

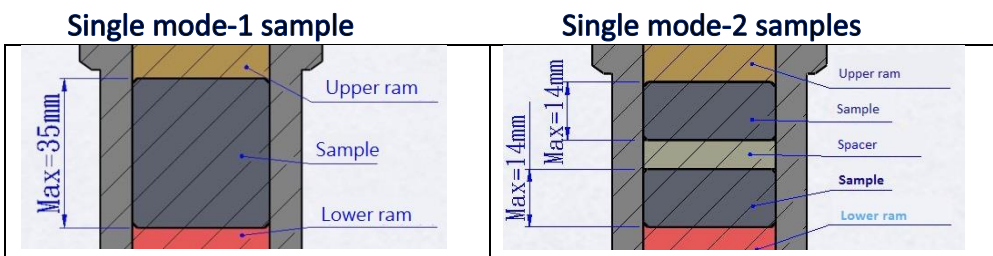


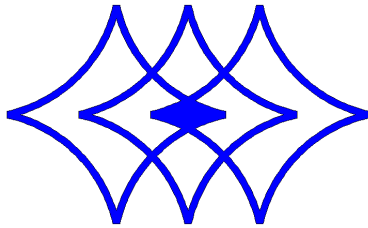
Parameter

Heating/Cooling graph line



Thickness of the mounting samples





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Always*

Cutting / Mounting / Grinding & Polishing / Spin Coater

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