



Alpha-335G floor-standing grinding machine

**Provide Comprehensive Metallographic
Analysis Solutions**

Product Introduction

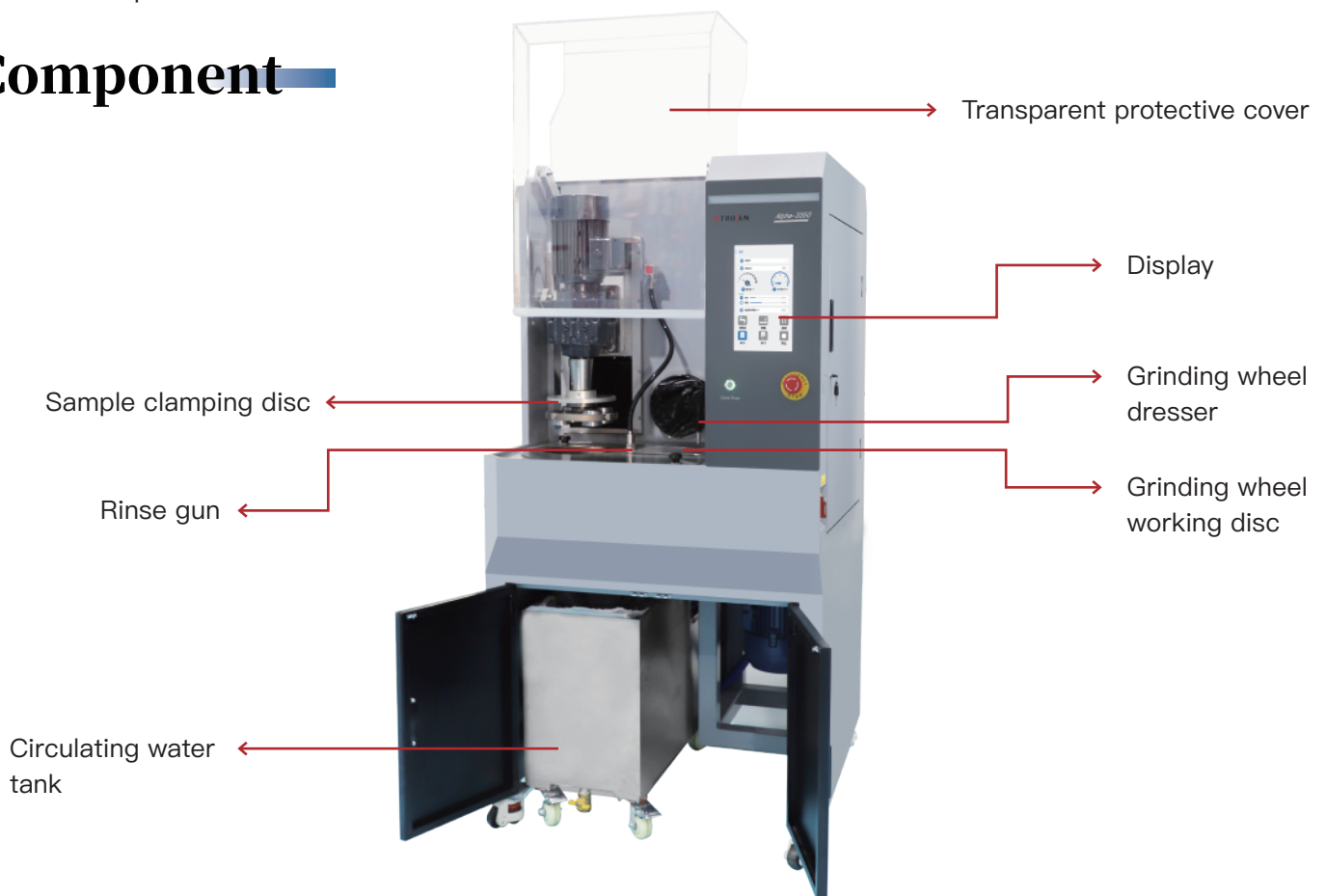
The Alpha-335G grinding machine is an automatic equipment that is used for the rapid rough grinding of samples. This equipment is very suitable for the preparation of large-sized and large quantities of samples in laboratories, and can greatly improve the preparation efficiency of operators.

The Alpha-335G grinding machine is equipped with different types of grinding stones to handle the rapid grinding of various materials, with strong and precise performance. The quantitative grinding function of the equipment can achieve optimal sample repeatability consistency. The automatic diamond shaper is fast and simple, with real-time adjustment of the grinding wheel to ensure the flatness and sharpness of the grinding stone. The automatic surface search function allows the shaper to process quickly and easily. When the shaper is started, it will automatically monitor the remaining thickness of the grinding stone and notify the user when the grinding stone needs to be replaced.

The large-sized operation icon interface allows users to quickly and clearly view the display screen, and the grinding stone performance/material removal rate is continuously monitored and displayed on the screen, allowing operators to conveniently optimize the process in real-time.



Component



Main technical parameters

Grinding stone	Size	Ø350xØ32x45mm
	Speed	100–1500rpm
	Rotation direction	Counterclockwise
	Motor power (S1)	4.0kw
Sample clamping disc	Clamping disc diameter	160mm, maximum 180mm
	Maximum sample height	40mm
	Press	50–700N
	Speed	10–125rpm
	Rotation direction	clockwise/counterclockwise
	Motor power	0.37kw
	Torque	17NM
Grinding quantity control	Accuracy	0.1mm
	Range	0.1–10mm
Grinding wheel dressing	Dressing method	Automatic[changing by time and grinding amount]/manual]
	Adjust the feed rate	10–200µm
Screen	Size	10 inches
Operating environment	Ambient temperature	5–40°C
	Humidity	<85% relative humidity, no condensation
Power Supply	Voltage	3x380V+1PE+1NE
	Rated power	4.5kw
Water tank	Volume	60L
	Flow rate	45L/min
	Filtering accuracy	80 mesh
Supply gas	Air pressure	0.6–0.8Mpa
	Maximum gas consumption	20Lmp
Exhaust [optional]	Air volume	180m ³ /h
	Power	0.18kw
Size [Closed]	WxDxH	80x90x165cm
Weight		490kg

Product Features

● Sample clamping and grinding system

1. The sample clamping disc and clamping head are positioned by ball bearings, and the pin spring is reset to achieve stable clamping of the sample disc. The installation operation is simple and convenient;
2. The installation screw of the grinding wheel disc is fixed, easy to disassemble and replace;
3. Sample quantitative grinding function, quickly and efficiently reaching the predetermined set amount, ensuring the consistency of sample grinding size.

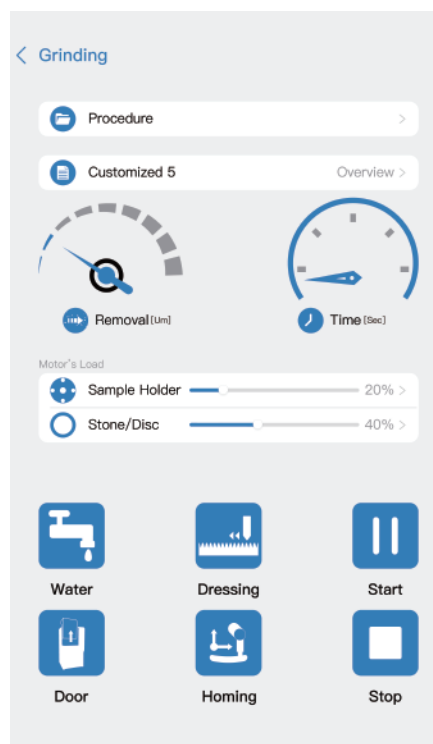
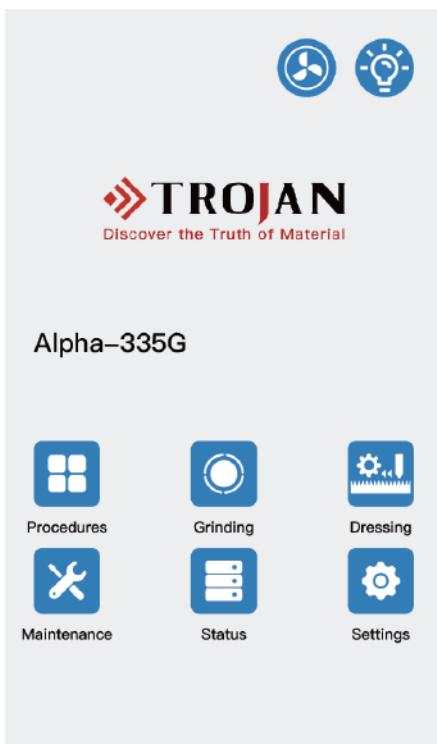


● Display system



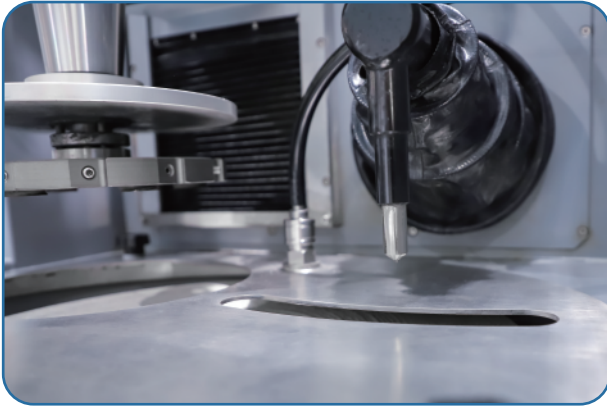
1. Simple operation interface, easy to operate on the machine after simple training;
2. Three color light warning prompt, easy to find faults and save maintenance time.

● Operating system



1. 1.10-inch LCD touch screen panel, real-time display of material grinding amount on the LCD screen, real-time dynamic equipment, simple and easy to understand interface, convenient and fast operation and setting;
2. Customize the program library to save and call program methods at any time, with simple and convenient operation.

● Grinding wheel dress system



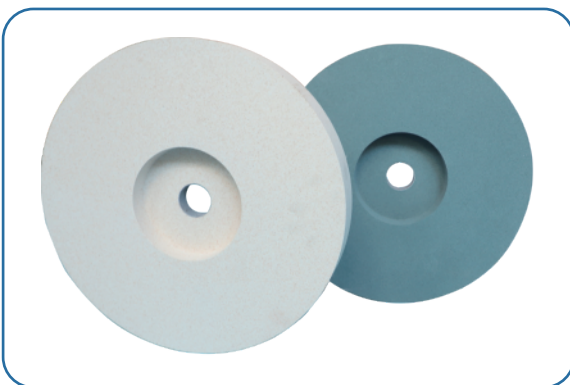
The grinding wheel dressing function can improve the grinding performance of the grinding wheel, ensure the flatness and sharpness of the grinding wheel, save time and cost to the maximum extent, and improve the efficiency of workpiece grinding.

● Cleaning system



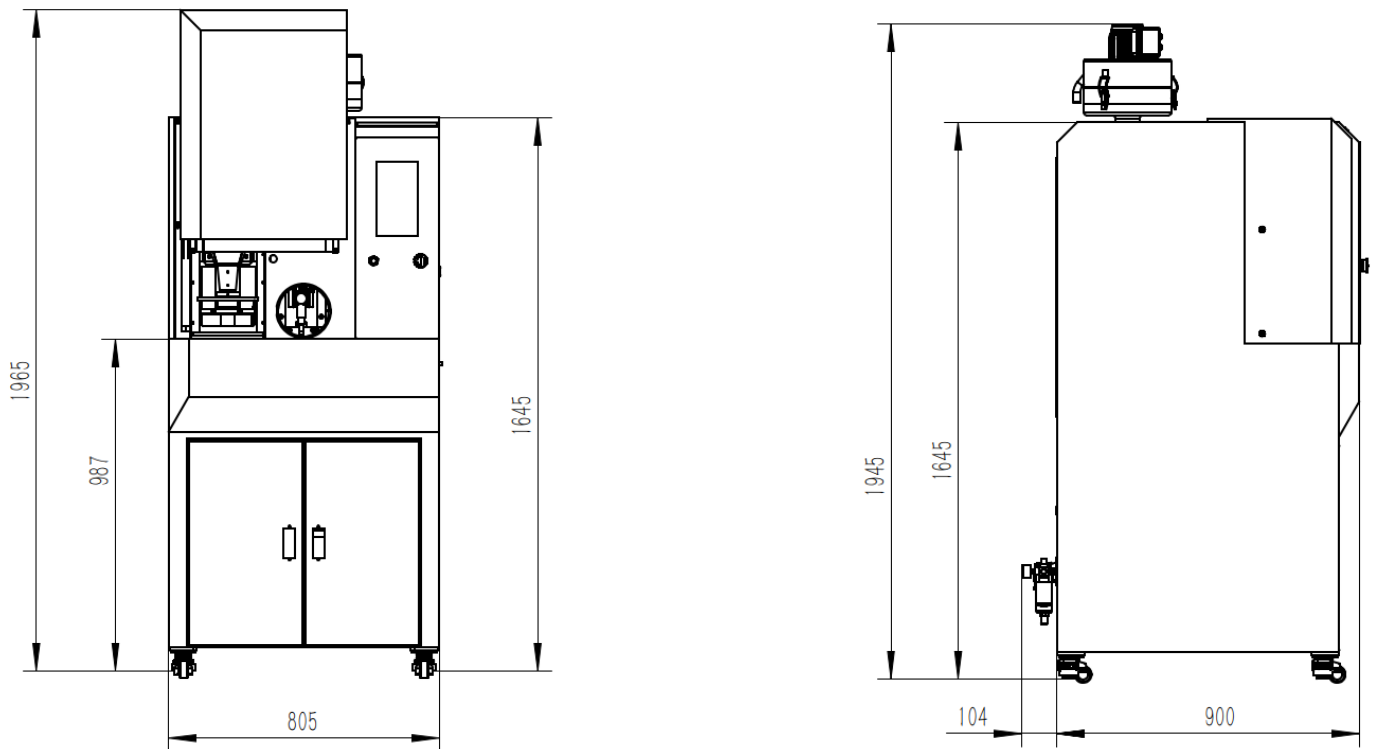
To improve the service life of the equipment, it is recommended to regularly maintain and keep the machine chamber clean. The plug-in flushing gun can quickly and conveniently clean the grinding area using circulating water.

● Grinding stones



Different types of grinding stones are available for selection, in addition to alumina and silicon carbide grinding stones, diamond grinding discs are also provided to meet the rapid grinding needs of different materials.

Equipment dimension diagram



Accessories

Various standard sample clamping discs and accessories are available for selection.

1. Workpiece clamping tool (sample clamping disc)



25 Tear
Drop Fixture



32 Tear
Drop Fixture



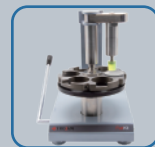
40 Tear
Drop Fixture



50 Tear
Drop Fixture



Find a flat plate



Universal
leveling device



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