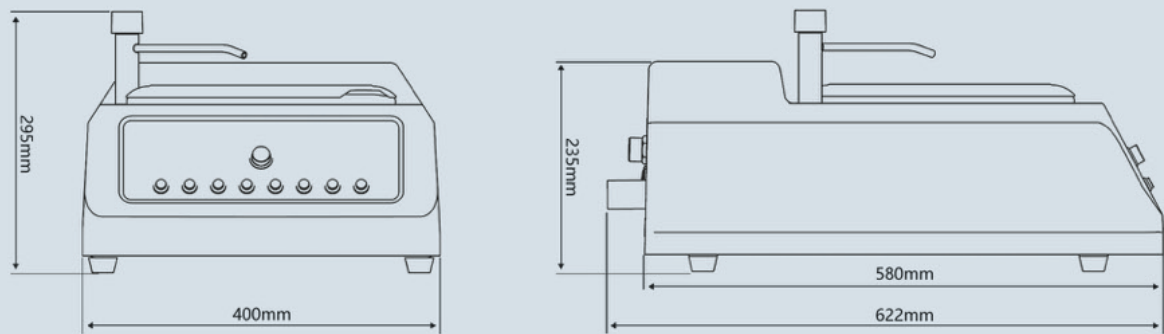




Main Parameters

Model	M-1Pro	M-1Pro+
Wheel diameter	Φ203mm	
Sample pressure detection	None	0~60N
Constant speed	150/300/700/1400 r/min	
Rotational speed	0-1400r/min	
Rotational direction	Clockwise or anticlockwise	
Input voltage	AC220V 50Hz 1PH	
Input power	0.75KW	
Dimension	400mmX622mmX295mm	
Net weight	22kg	

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Real-time display
of sample preparation pressure

The preferred model for colleges
and universities to cultivate outstanding students



M-1Pro/M-1Pro+
Manual grinding and polishing machine series
Patented product: ZL202022648079.2

M-1Pro/M-1Pro+ Manual grinding and polishing machine series

**This manual grinding and polishing machine
with a pressure display function.
Like an automatic grinding and polishing machine,
you can control the grinding and polishing pressure.**



Patented product: ZL202022648079.2

6 major uses:

1. Save consumables

It solves the problem of waste of consumables caused by the inability to control the pressure by hand perception alone in the previous metallographic grinding and polishing process, resulting in sandpaper desanding, polishing cloth degumming and other phenomena.

2. Improve efficiency

How can we improve the efficiency of metallographic grinding and polishing work? It is necessary to control all aspects of grinding and polishing. Among them, the strength of pressing down on the hand-held sample is particularly important. Therefore, only by grasping the strength can the efficiency be improved.

3. Improve results

In metallographic grinding and polishing, problems such as sample grinding deviation, uneven grinding, low polishing efficiency, and easy burning of soft metals are often encountered, all of which are caused by excessive, too small, or uneven force during grinding and polishing.

4. Arrange the plan

During the metallographic grinding and polishing process, if you want to record the grinding and polishing plans for different materials, you must record the grinding and polishing intensity. If you only record what kind of sandpaper and polishing cloth are used, it will be difficult to replicate the grinding and polishing effect.

5. Easy to learn

Mastering the strength of grinding and polishing is the basis for accelerating learning speed and improving learning efficiency, because strength is the core key point in the grinding and polishing process, which is especially important for school students and staff training.

6. Rich experience

Frequent use of a grinding and polishing machine with strength prompts can form a concept of strength. Even if you use a grinding and polishing machine without strength prompts, you will roughly control the strength and will not have no idea of strength.

01

Stepless speed adjustment function

0-1400r/min stepless speed change can be achieved through the knob. According to the grinding and polishing speed requirements, the appropriate speed can be accurately selected, with smooth speed change and excellent damping feeling.

02

Four constant speed

This machine sets four commonly used grinding and polishing speeds as fixed speeds with one click. The four speeds are 150r/min, 300r/min, 700r/min, and 1400r/min.

03

Switch grinding and polishing disc steering

According to each person's different grinding and polishing habits and individual requirements during the grinding and polishing process, this machine is equipped with one-button switching of the grinding and polishing disk steering, without stopping the machine, one-button switching of the steering.

04

Pressure upper and lower limit settings

You can set upper and lower pressure limits. If the set limit is exceeded, the progress bar will be displayed in different colors, making pressure control more intuitive.

05

Two-color pressure progress bar

The two-color pressure progress bar can be used with the upper and lower limits. If the pressure progress bar displays green, the pressure is normal. If it displays red, it means overpressure or insufficient pressure.

06

Pressure value display

The grinding and polishing machine has a pressure value display screen, which can observe the intensity of grinding and polishing in real time.

07

One-click clearing and one-click calibration

In order to ensure a more stable pressure value and ensure the grinding and polishing effect of the sample, one-click clearing or one-click calibration can be performed regularly, similar to "electronic scale taring".