

# VP-430 Vibratory Polishing Device



**Description:**

The vibratory polishing device VP-430 is designed for the preparation of specimen surfaces practically without deformation. This preparation method is especially suited for further characterizations like EBSD (electron backscatter diffraction), SEM (Scanning Electron Microscope), nano indentation using AFM (atomic force microscopy) or micro hardness testing.

Due to the very gentle removal of material it is applicable especially for soft and ductile materials, like titanium-aluminum, pure copper and copper alloys, aluminum alloys, soft steel, and nickel-based alloys.

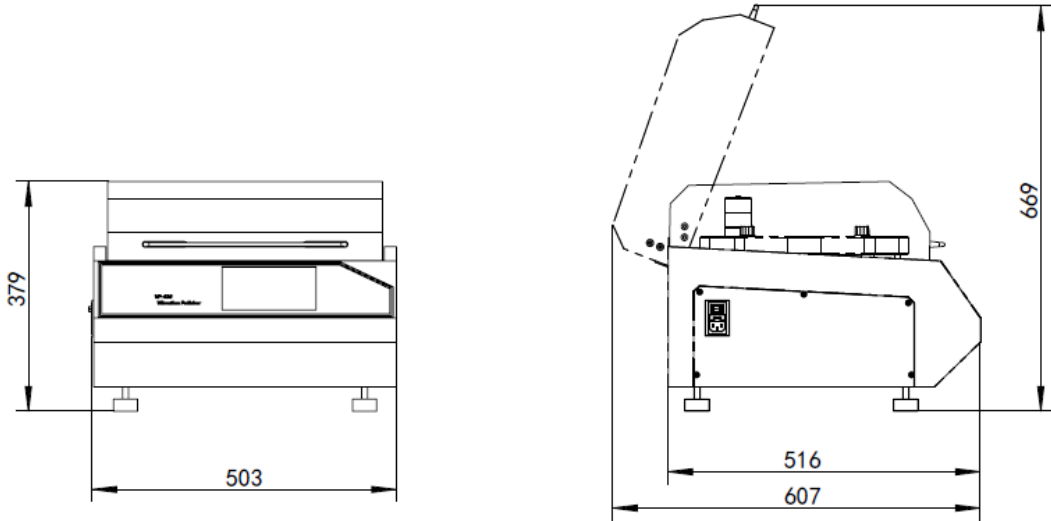
**Features:**

- The user interface is very intuitive and offers a lot of features supporting the operator.
- Depending on the mass of the inserted specimens the automatic frequency control selects the optimal vibrational frequency in the range from 120 to 150Hz. Manual adjustment is therefore not necessary.
- The polishing disc is easy to assemble and disassemble, which is convenient for disassembling and cleaning.
- It is also suitable for polishing cloth with magnetic plate and plain back polishing cloth.

- Intuitive user interface and touch screen.
- Up to 20 custom preparation methods can be saved

**Technical Parameter:**

Model		VP-430
<b>Working Plate</b>	Diameter	12 inch/300mm
	Sample size	1 inch, 1.25 inch, 1.5 inch, 2 inch (customized according to customer needs)
<b>Electrical</b>	Voltage / Frequency	220 V / 50 Hz, 110 V / 60 Hz, 100 ~ 240 V / 50 / 60 Hz
	Rated power	50W
	Timing Setting	9999 hours
	Speed	1-20rpm
	Vibration Frequency	40 ~ 400Hz
<b>Use Environment</b>	Temperature	-20°C - 60°C
	Humidity	0-95%RH
<b>Dimensions</b>	L x W x H	516x503x379mm (cover opening: 607x503x669)

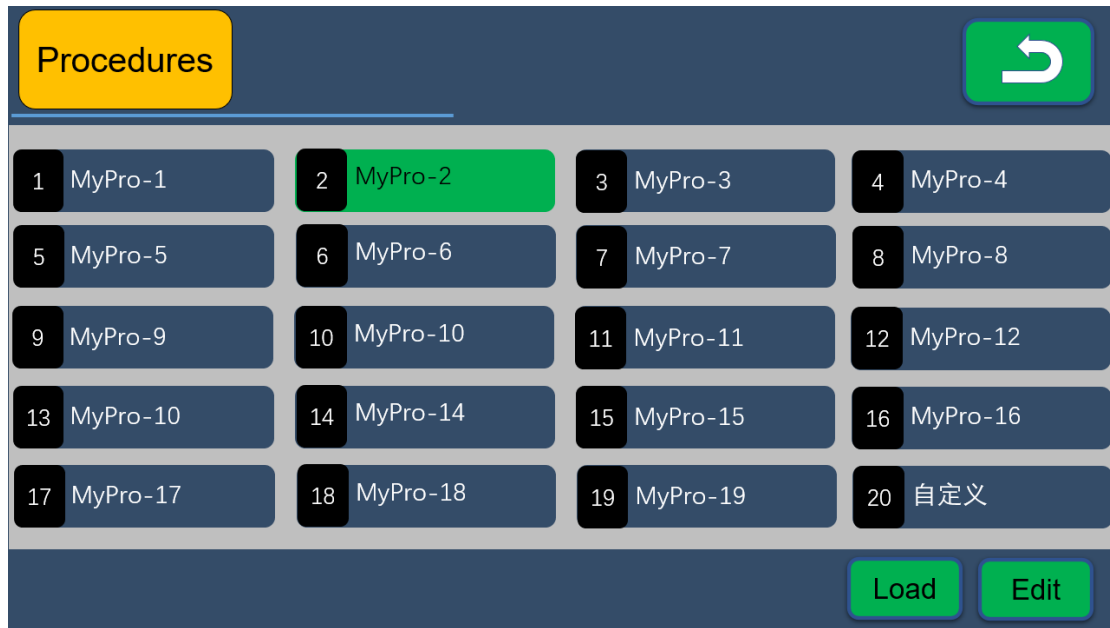


**Operation mode:**

Starting interface: program, automatic mode and manual mode.

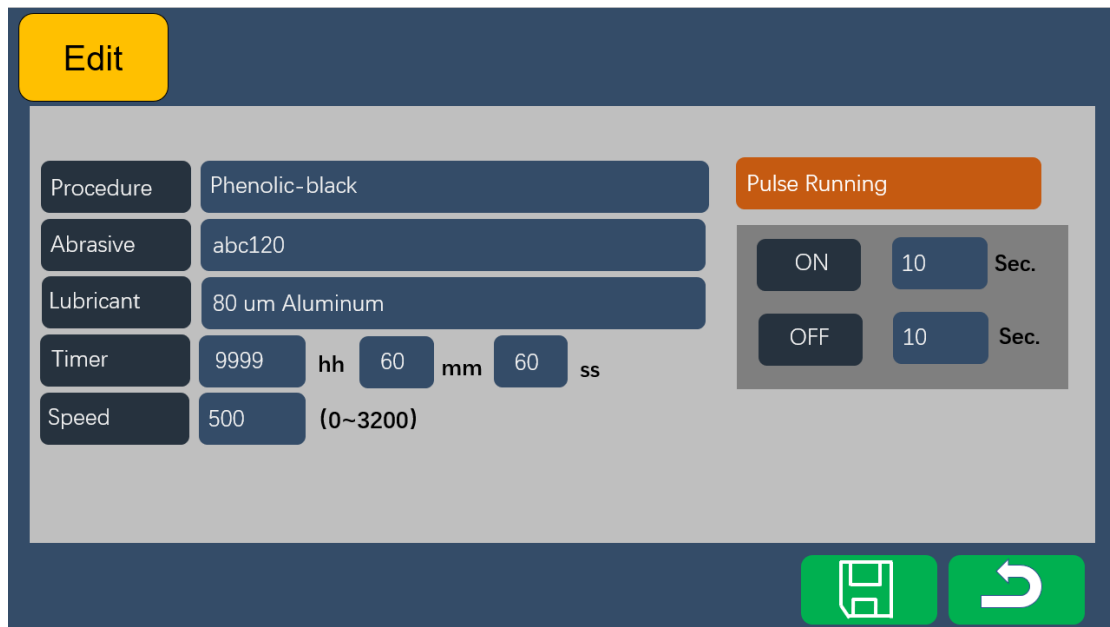


Up to 20 custom preparation methods can be saved.



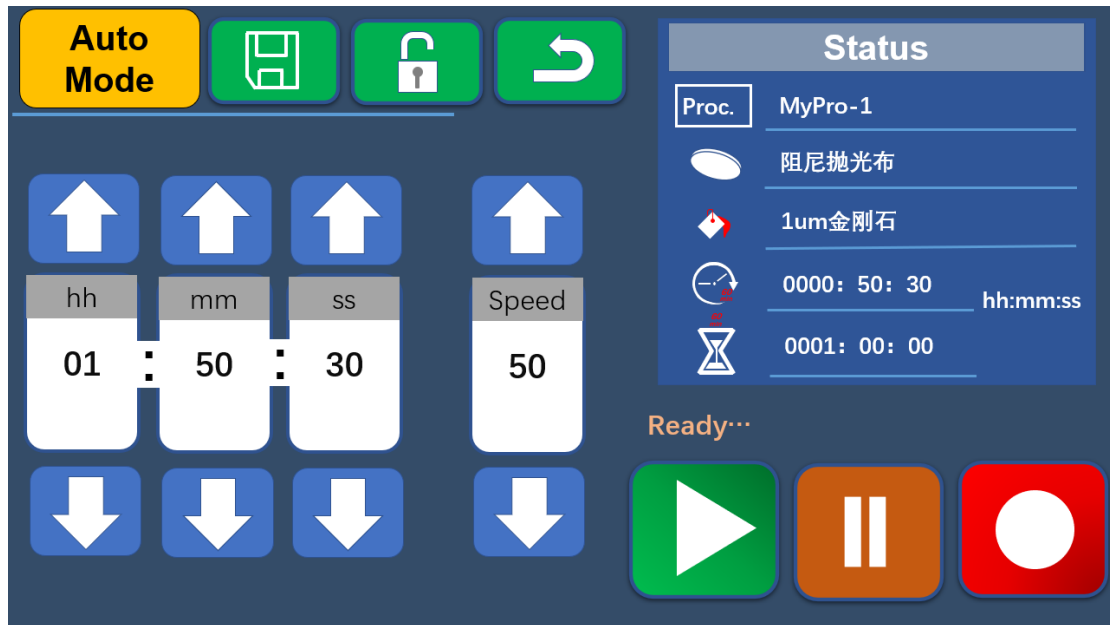
Program name, consumables, time, speed and pulse running time can be edited.

Intermittent operation is the mixing action after the end of operation time.

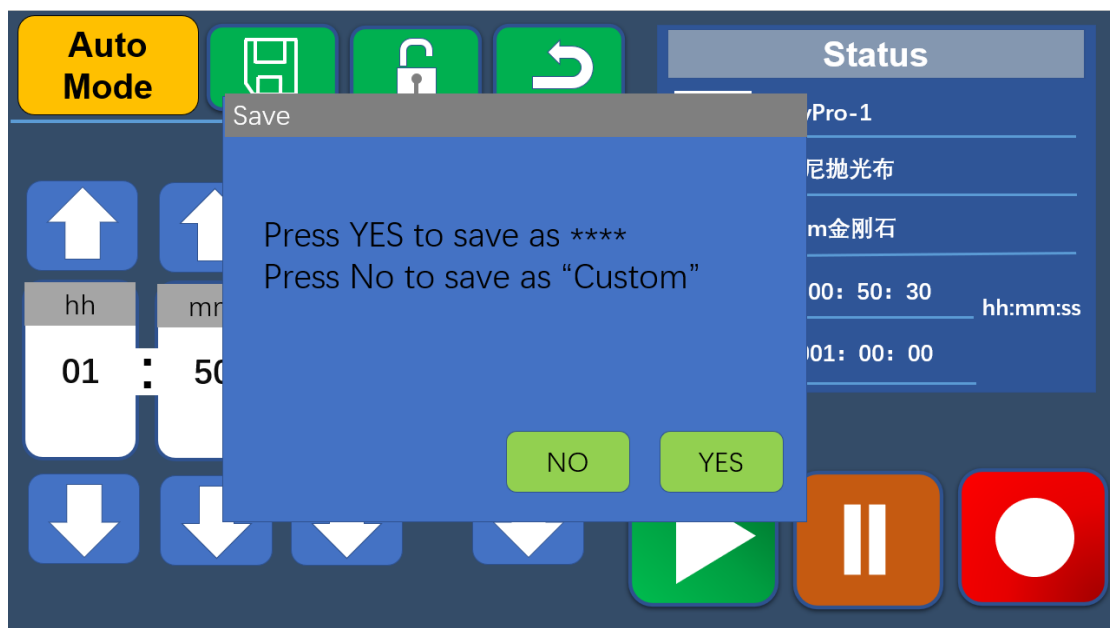


**Automatic mode:**

The program can be directly imported into the automatic mode, modified in the automatic mode, or saved directly.



The running speed can be directly modified the device is working, and the running time needs to be "stopped" and then "started" again.

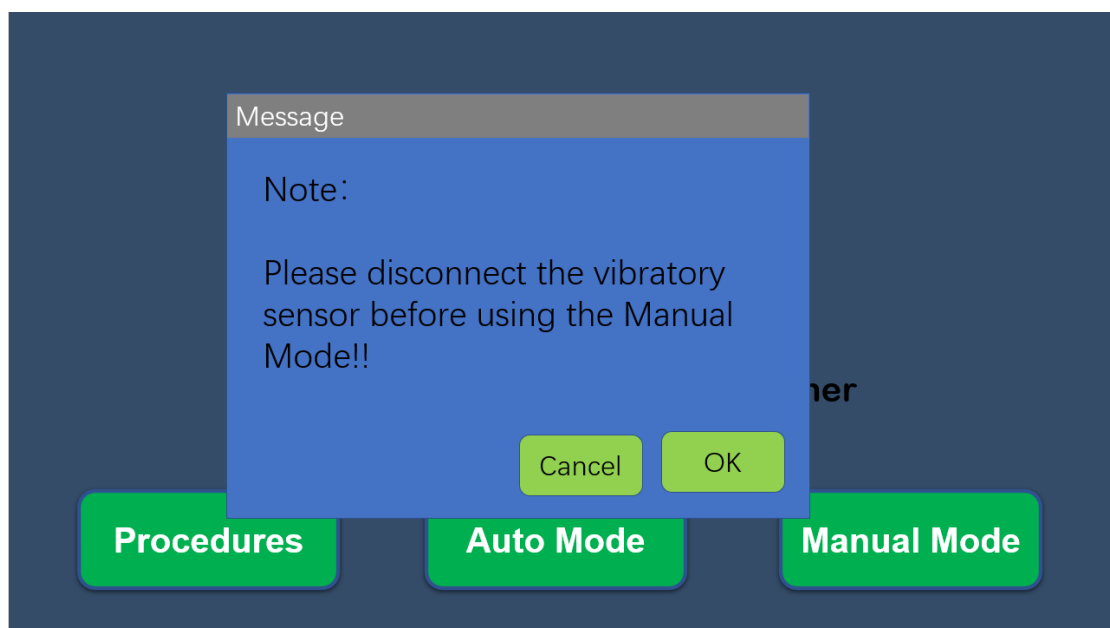


With screen locking function, it can prevent touch by mistake or parameter modification by others. Only run / pause and stop keys are available. Password is required to unlock the screen. The default password is 123456.



Manual mode:

**Pull out the vibration sensor when entering the manual mode!**



In the manual mode, the parameters such as frequency and amplitude can be modified.

Frequency range: 40.0 ~ 400.0hz. Amplitude range: 20 ~ 220.

