



# **REFOX**

AP32

Desktop Mini Polishing Machine

## **User manual**

(Please be sure to read this manual carefully before use)

# Product introduction

REFOX AP32 is a professional mobile screen scratch repair and polishing machine that adopts a subtractive method to eliminate surface scratches. It can not only repair scratches on the glass surface, making the glass plane overall smoother, but also ensure the smoothness after glass refinement. With a built-in liquid circulation system, it supports polishing screens of various mobile phone models. This product can improve the efficiency of mobile phone refurbishment and effectively reduce refurbishment costs, mainly suitable for repair shops engaged in mobile LCD screen refurbishment.



## Product parameter

Brand	REFOX
Name	Desktop Mini Polishing Machine
Model Number	AP32
Power Source	110V/220V
Power	350W
Tank Capacity	3L
Product Size	455*420*310MM
Package Size	535*510*430MM
Net Weight	45KG
Gross Weight	60KG

## Product features

- Compact and efficient, suitable for repair shops.
- Built-in liquid circulation system
- Grinds in clockwise or counter-clockwise directions, extending the lifespan of the polishing blanket
- Water tank is equipped with scale markings, easy to know the water level
- Smart touchscreen operation, easy to use, and aesthetically pleasing appearance, offering an enhanced user experience.

# Fuselage function introduction



# User interface



# Operation procedure

1. Check the water tank for any foreign objects. Prepare the polishing powder (mix 100g of polishing powder with 2L of water)
2. Connect the power supply and turn on the power switch.
3. Place the phone into the waterproof mold, apply waterproof adhesive using a dispensing machine or manually. Place it in a UV curing box for curing. After curing, take out the mold and place it in a grinding tray.
4. Set the polishing parameters.
5. Open the chamber door, place the waterproof mold, close the door, press the Start/Stop button to start the polishing process.
6. After polishing is complete, remove the waterproof mold, and take out the phone screen.



If a polished screen does not meet the expectation, check whether:

1. The grinding blanket is depleted with insufficient friction
2. The grinding duration is too short
3. The grinding speed is too slow
4. Whether the mixing ratio of grinding powder and water is appropriate

# Packaging list

Part Name	Quantity
Polishing Powder (500g)	X 1
Waterproof Adhesive (30ml)	X 2
Oleophobic Coating(30ml)	X 1
Waterproof Mold	X 2
Scroll Wheel	X 4
Waterproof Glue Gun	X 1
Glue needle (100/bag)	X 1
Counterweight Block(6KG)	X 2
Single Mold Aluminum Plate	X 2

**Note:** The standard models of waterproof molds are 12/12 Pro 、12 Pro Max complete machine. If you need other models, please note when placing the order.



Polishing Powder  
(500g)



Waterproof Adhesive  
(30ml)



Oleophobic Coating  
(30ml)



Waterproof Mold



Scroll Wheel



Waterproof  
Glue Gun



Glue needle



Counterweight  
Block (6KG)



Single Mold  
Aluminum Plate

# Notes

Pre-use precautions:

1. The machine is only suitable for polishing minor scratches on mobile phones. It cannot be used to polish deep scratches with a distinct concave feeling or glass-like texture. Refer to different degrees of scratch polishing in instructional videos at <https://www.youtube.com/watch?v=q90BY07oO4U&t=137s>



2. To avoid damage to electrical appliances and ensure electrical safety, make sure the product's connection parameters (voltage, power) match the total power supply. Check these parameters before connecting the appliance.

3. Check the machine for collisions before use. For optimal performance, it is recommended to adjust parameters following the user manual and instructional videos. Beginners are advised to practice on damaged or old screens or phones before actual use.

Precautions During Use:

Prohibited Operations (Safety Tips):

1.If there is any unexplained leakage from the machine, stop it immediately for inspection to identify the cause and prevent short circuits.

2.Do not open the chamber door while the equipment is running,



2. and avoid inserting hands into the machine. For individuals with long hair, it is recommended to tie it up before operating the machine.

#### Post-Use Precautions:

##### 1. Safety and Environmental Protection (Wastewater and Waste Disposal Methods and Environmental Impact):

The circulating liquid inside the machine is a mixture of water and polishing powder, not for consumption. Wastewater generated during polishing can be drained into the sewer without environmental pollution. It is recommended that you let the wastewater settle for a day, separate the water and powder, dispose of the water into the sewer, and collect the powder as construction waste.

##### 2. Water Grinder Consumables (Polishing Powder/Waterproof Adhesive/Fingerprint Oil) Storage Guidelines:

Polishing powder, waterproof adhesive, and fingerprint oil should be stored in a cool, dry place away from direct sunlight. Fingerprint oil is a volatile liquid and should be sealed for storage.

3. Due to the oxidizing nature of polishing powder during use, rust may occur inside the machine's casing. This is a normal phenomenon and does not affect the use.

# Daily Maintenance

1. After using the machine, take a bucket of clean water, place the water pump in the clean water, and start pumping (for about 10 seconds) to clean the pump and pipes to prevent blockages. After cleaning, place the water pump back into the clean water bucket or store it separately.
2. When water evaporates or the water level is too low, add water and mix the polishing powder. Before using the machine, stir the polishing liquid evenly considering that the polishing powder may settle over prolonged periods of use.
3. There may be a build-up of polishing powder on the machine platform, and it is recommended to clean the box every two weeks. Remove the accumulated material on the top. Do not use metallic materials to avoid scraping off the rust-proof layer of the device.
4. If the machine is used for about 6 hours per day, it is recommended to replace the polishing felt/roller once a month.