

PRODUCT MANUAL

MICRO GRINDING MACHINE



CE FC RoHS  

Language:EN

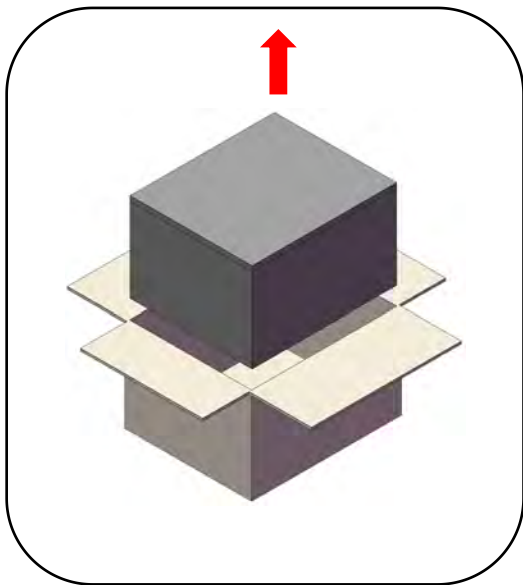
Note: The picture is for reference only. The actual product is the standard.

TABLE OF CONTENTS

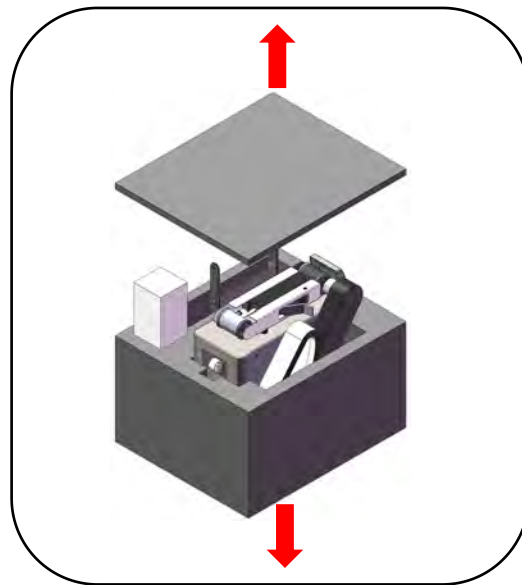
1. Unboxing Operation	01
2. Part list	02
3. Machine Assembly	03
4. Product Features Introduction	05
5. Grinding Wheel Replacement Steps	06
6. Basic Parameters	09

1. Unboxing Operation

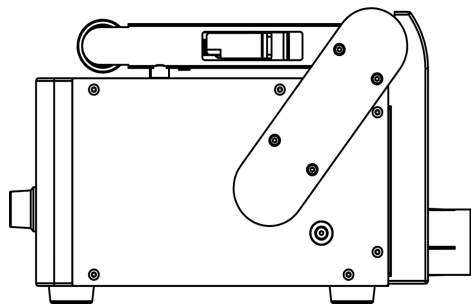
Remove the packaging box after unboxing.



Remove the foam protection and take out the included accessories from the case.



2. Part list



Main Body X1



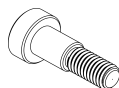
Hex Wrench X4



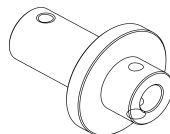
Hand-tightened screw X2



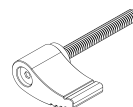
M6 Flat Washer X1



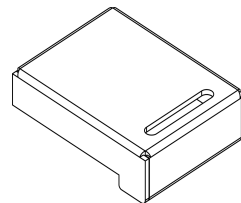
M5x8 Shoulder Screw X1



Drive Shaft X1



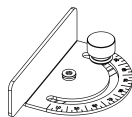
Adjusting Screw M4x20 X1



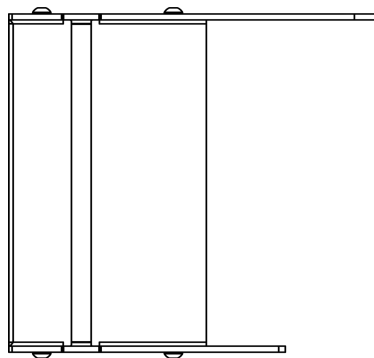
Baffle Plate X1



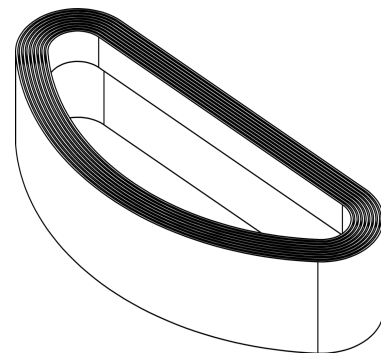
Power Cord X1



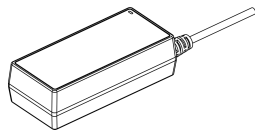
Angle Protractor X1



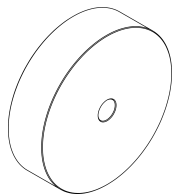
Auxiliary Worktable X1



Coated Abrasive Belt X9



Adapter X1



3-inch Grinding Wheel X1

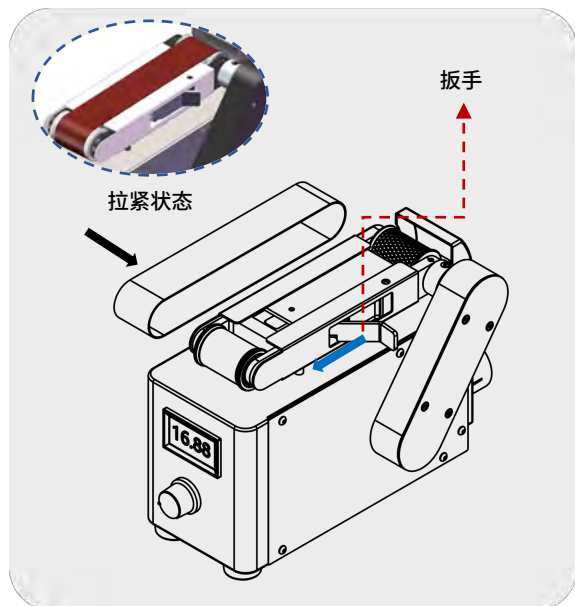
3. Machine Assembly

3.1 Install the Abrasive Belt

Bench Belt Sander X1

Pull the tension lever in the direction of the blue arrow to release the belt tracking mechanism. Thread the abrasive belt onto the drive wheel (as indicated by the black arrow), then return the lever to its tensioned position.

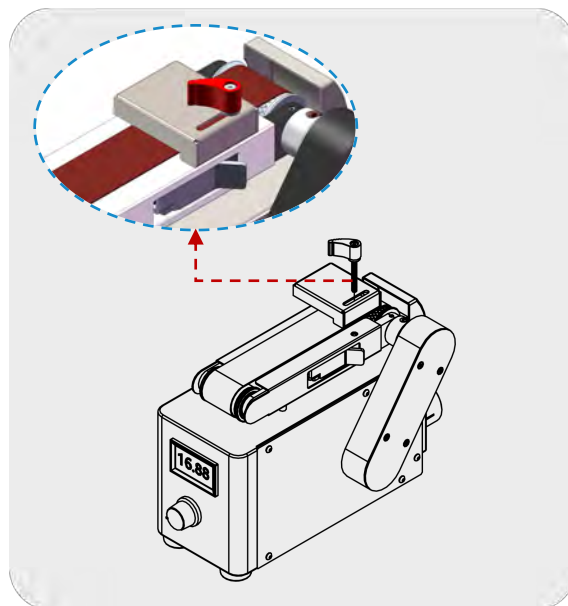
NOTE: Select the abrasive belt grit size according to specific application requirements.



Baffle Plate X1

Adjusting Screw M4x20 X1

Assemble the baffle plate as illustrated below, then securely tighten it after positioning adjustment to the desired front/rear location.



3. Machine Assembly

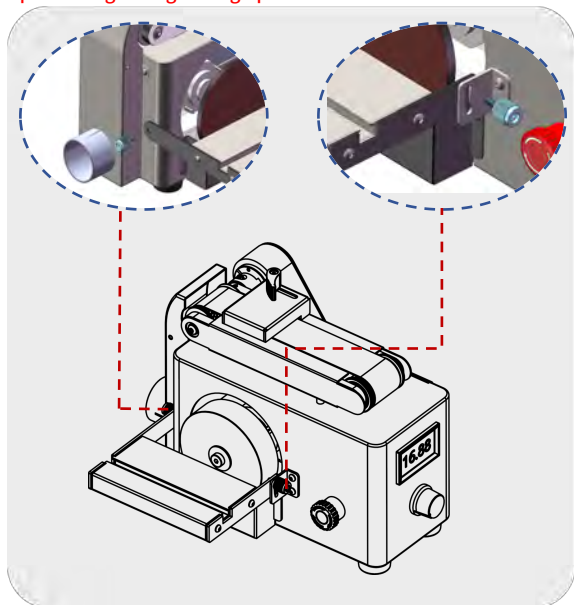
3.2 Install auxiliary platform

Hand-tightened screw X2

Auxiliary Worktable X1

Use M3 hand-tightened screws to assemble the auxiliary platform with the main body. Ensure all screws are securely tightened.

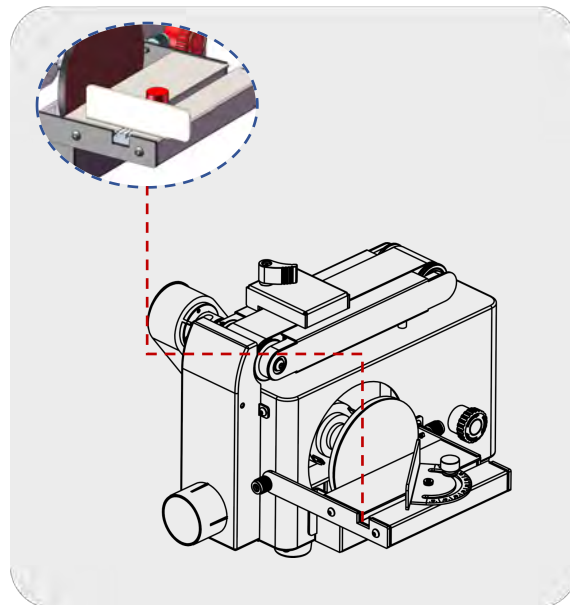
Note: When angle adjustment of the auxiliary platform is required, loosen the hand-tightened screws to reposition the platform at an optimal angle for grinding operations.



Angle Protractor X1

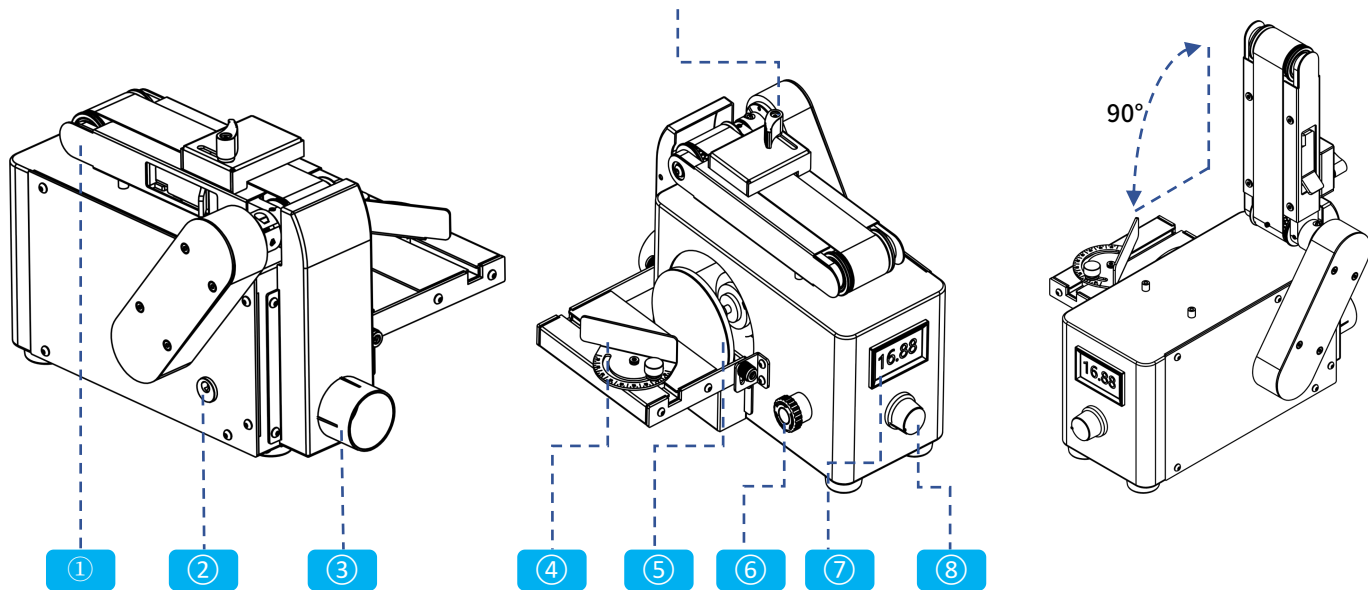
As shown, mount the angle gauge.

Note: The angle gauge can be adjusted to the required angle during grinding operations.



4. Product Features Introduction

Loosen this screw to rotate the sanding belt 90°.



① Coated Abrasive Belt X9

② DC 24V Power Interface

③ Dust Suction Port

④ Angle Protractor

⑤ Abrasive disc

⑥ Power switch

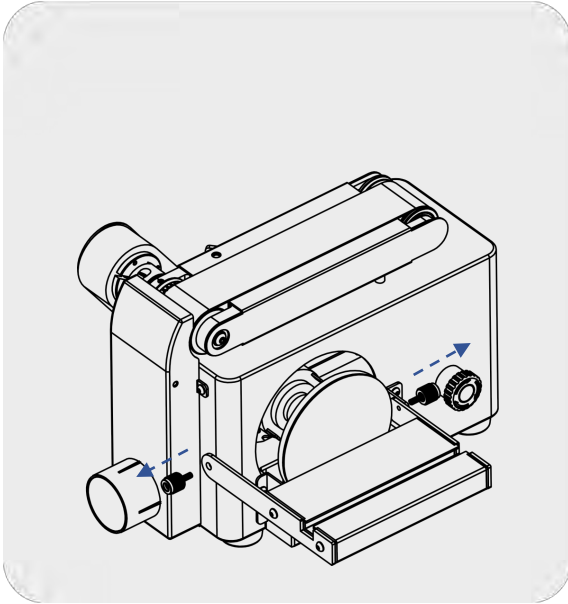
⑦ Speed control switch

⑧ Voltage digital display meter

5. Grinding Wheel Replacement Steps

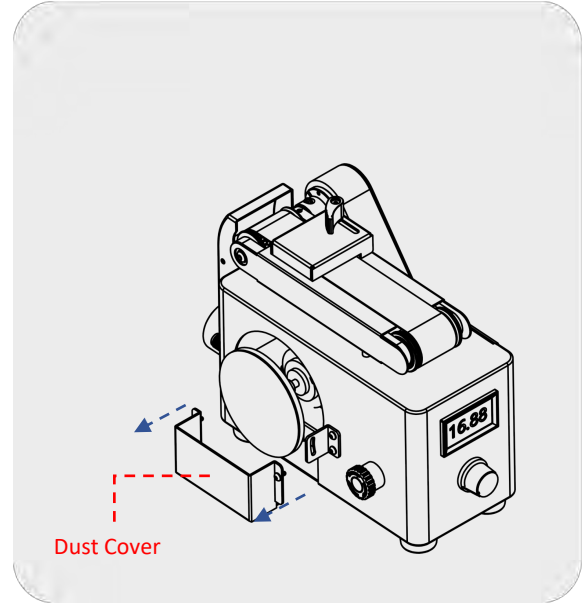
Remove the two thumb screws securing the auxiliary platform.

NOTE: Retain all screws for future use



Use a hex key to loosen the two M3 screws on the dust cover plate.

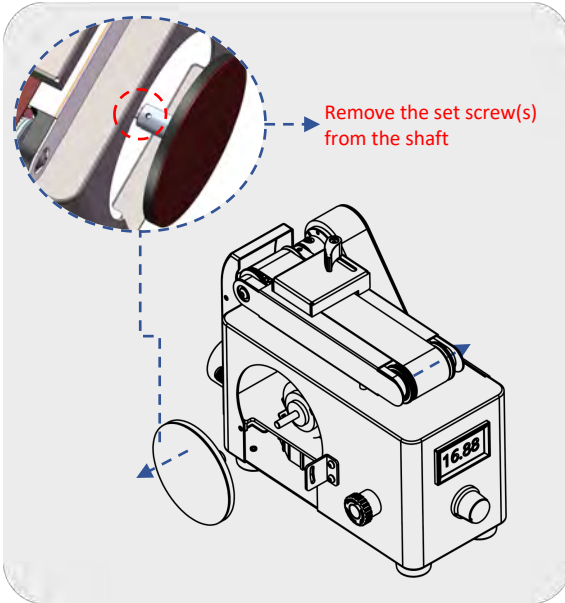
NOTE: Retain all screws for future use



5. Grinding Wheel Replacement Steps

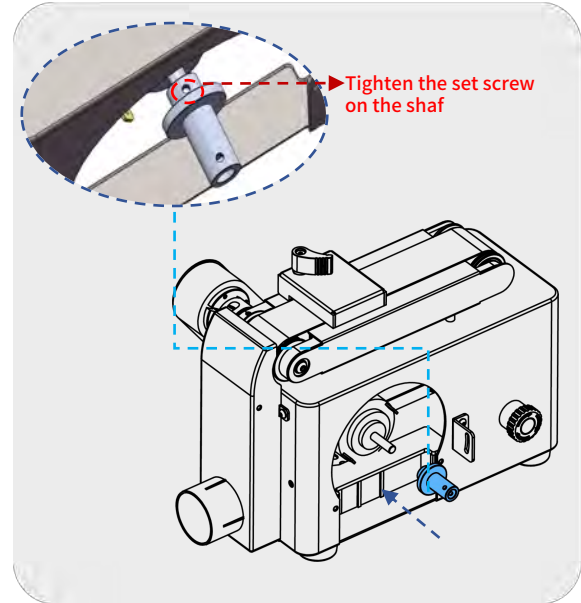
Use a hex key to loosen the two M3 screws on the dust cover plate.

NOTE: Retain all screws for future use



Drive Shaft X1

Slide the grinding wheel shaft onto the motor shaft in the orientation shown, then tighten both set screws on the grinding wheel shaft.



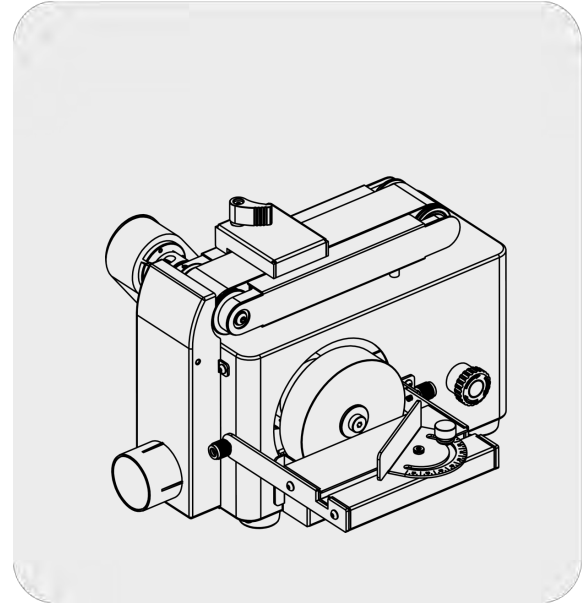
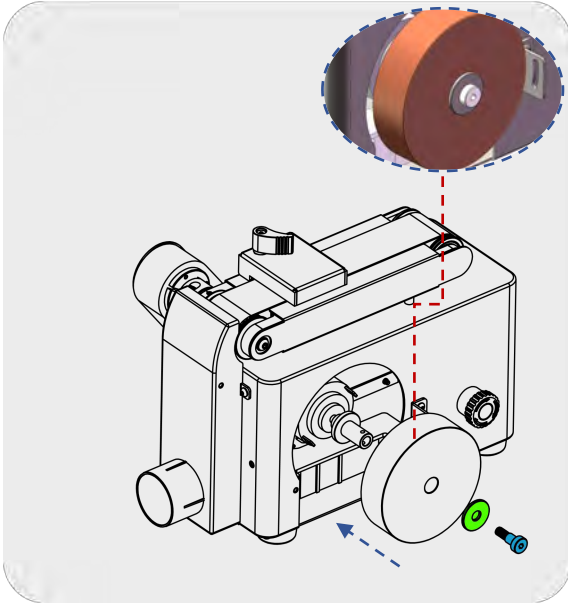
5. Grinding Wheel Replacement Steps

3-inch Grinding Wheel X1 M6 Flat Washer X1

M5x8 Shoulder Screw X1

Assemble the grinding wheel, M6 washer, and knock-in nut in sequence according to the orientation marks, then tighten the knock-in nut.

Please reinstall the dust cover and auxiliary platform in the reverse order of disassembly (see P04, P06 for steps)



6. Basic Parameters

Model: Mini grinder	Input voltage: 100~230V
Machine size: 260×177×208mm	Output voltage: 24V/5A DC
Main body material: Aluminum + steel	Belt sandpaper size: 380 (circumference) × 30 (width) mm
Disc sandpaper size: D75mm	Grinding wheel size: D75mm
Disc sandpaper grit: 120 grit, 240 grit, 320 grit	Power supply type: EN/UL
Belt sandpaper grit: 60 grit, 80 grit, 120 grit, 240 grit, 320 grit, 400 grit, 600 grit, 800 grit, 1000 grit	