

# NCM-535 *Chocolate Conching Machine*

## User Manual

〈 20201106 〉



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## I. Machine Introduction and Specifications:



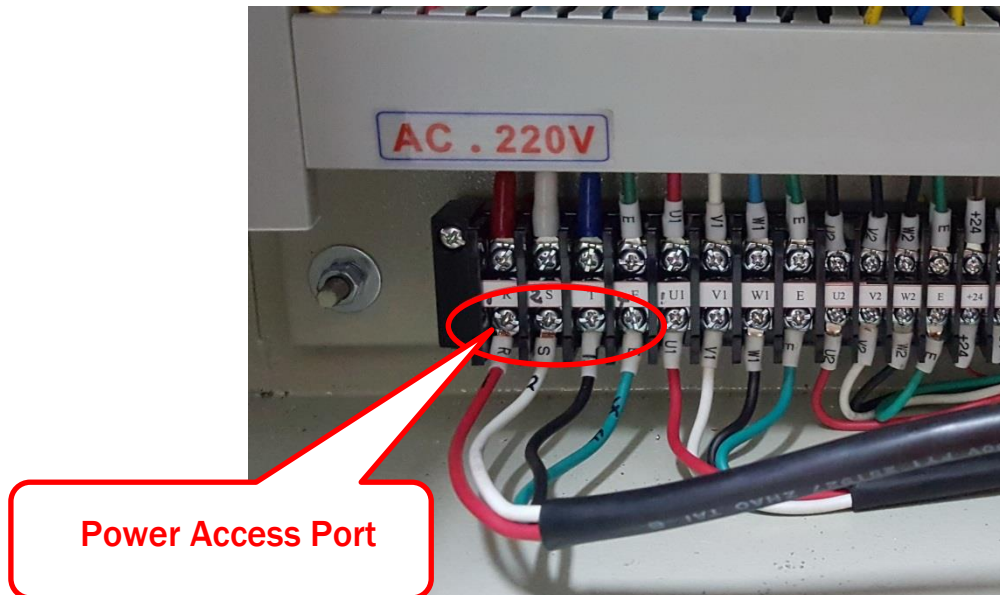
- 1 Handwheels for Lifting or Descending Granite Wheels (Manual Operation)
- 2 Indicator Light
- 3 Electric Control Box
- 4 Sensor (sensing lifting upward and descending downward)
- 5 Stand Frame for Electric Control Box
- 6 2HP motor+NMRV063-model reducer
- 7 Stainless Steel Barrel spec.Ø450mm\*450mm
- 8 Stainless Steel Stand Frame for the refining Barrel
- 9 1/2HP motor + NMRV040-model reducer + NMRV063 model-reducer

### Specification :

- |   |  |
|---|--|
| 1. Power Voltage: 220V 50/60 Hz, 3 phase              | 8. Refining Time Setting / Buzzer Device |
| 2. Main Drive Power: 2Hp< 1.5kW >/ 0.5Hp< 0.37kW >    | 9. Emergency Power Off Device            |
| 3. Barrel Capacity : 40kg                             | 10. Refining Device by Manual Pressure   |
| 4. Speed Adjustment : 0 ~ 120 RPM                     | 11. Natural Granite Grinding Wheels      |
| 5. Refining Fineness : 20μ or below                   | 12. Dimensions of Machine :              |
| 6. Barrel Material : Stainless Steel                  | L 167 x W 69 x H 150 < cm >              |
| 7. Unloading / Cleaning :                             | 13. Weight : 250kgs                      |
| Tilting Operation (Auto Tilting/Tilting Inch by Inch) | 14. Origin: Taiwan                       |

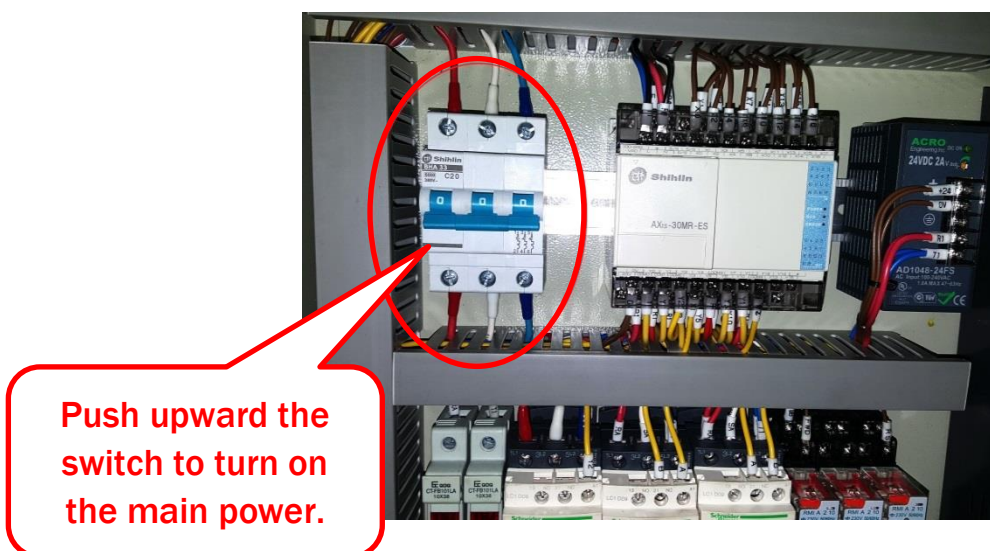
## II. Machine Startup Power Supply and Safety Devices

### 2-1 Main Power Access



※The Motor controls the Barrel to tilt upward or downward. In the case when the tilting direction of the barrel is reversed, switch the position of any two cords between the red, white, and black power cords, to change the operating direction.

### 2-2 Operation on Main Power Switch



## 2-3 Operation on Emergency Stop Button



※ **Emergency Red Button** - located on the control panel (press it to stop immediately all actions)



### III. Electric Control Box Panel - divided into A and B operating areas

#### A. Operating Area on Barrel Turning



#### B. Operating Area on Barrel Tilting

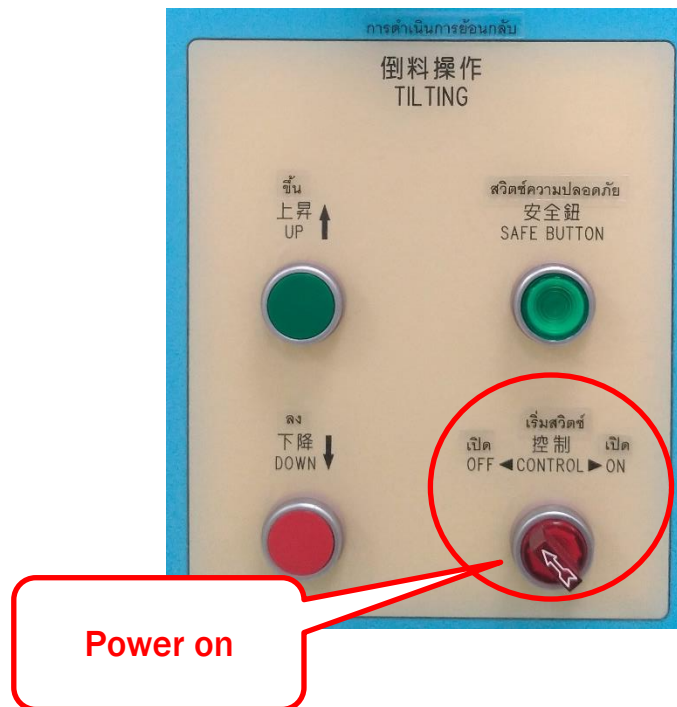


## IV. Bootstrap Procedure and Instructions on Refining

### Operation

#### 4-1 Operation on the Starting process

1. Pour the grinded ingredient into the Stainless Steel Barrel. < The volume should cover in maximum the top edge of the granite wheels, but reach in minimum the half of the granite wheels. >
2. Turn on the **POWER**.

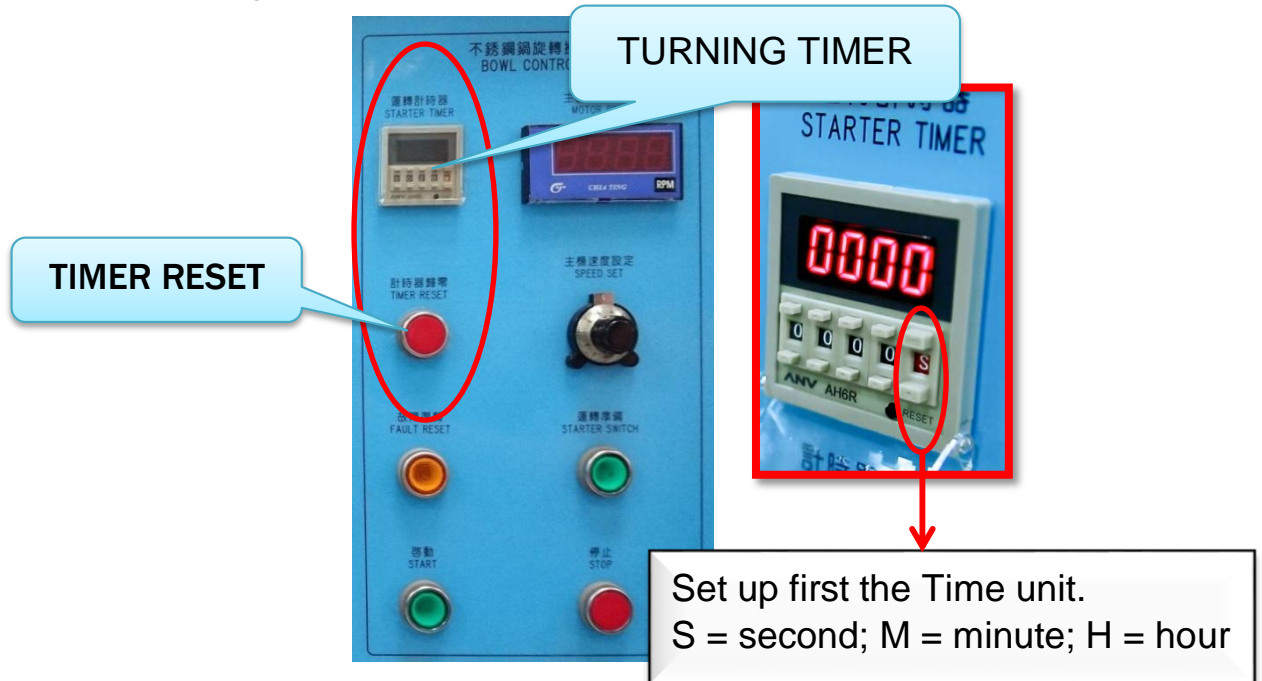


## 4-2 A Area 【Operation on the Stainless Steel Barrel Turning】

### Step 1 : TIMER RESET & TURNING TIMER

TURNING TIMER → Turning time setting.

TIMER RESET → Timer Setting returns to zero. (Press TIMER RESET before a new setting).



### Step 2 : STARTER Button.

Press on the STARTER Button to enable the turning procedure. The STARTER Button must be lit on to function the START button.





Step 3 : After pressing on the START button, the barrel starts turning.

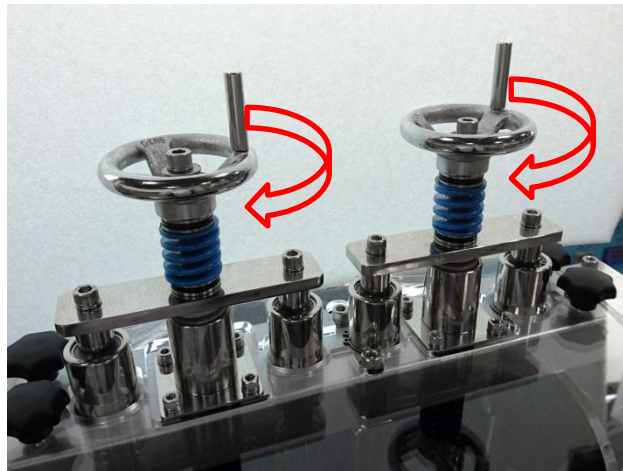


Step 4 : Set up the turning speed in RPM/ the monitor indicates the turning speed in RPM. The setting range is from 0 to120.



### 4-3 Operation on Granite Wheels

Operation on descending the Granite Wheels.

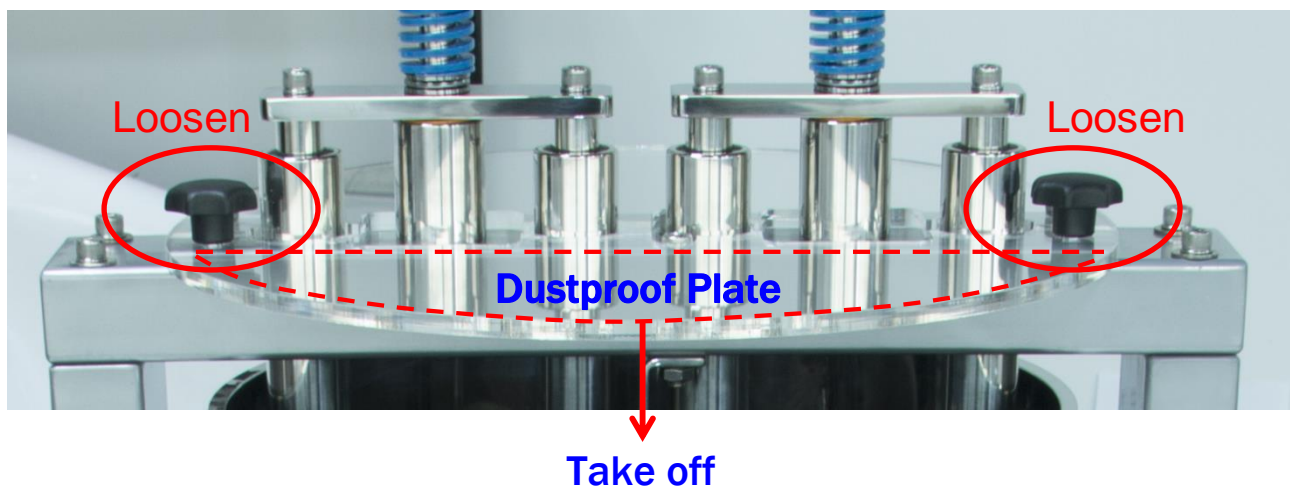


※Turn the handwheels in the clockwise direction to descend down the granite wheels. Turn the handwheels in the **counterclockwise** direction to **lift up** the granite wheels.

〈 One handwheel controls one granite wheel set. Both two granite wheel sets need to be adjusted 〉

### 4-4 B Area 【Operation on Tilting the Barrel】

Step 1 : Remove the Dustproof Plate. Loosen the two knobs located on the two sides, and then remove the dustproof plate.



## Step 2 : Operation on SAFETY CONTROL Button for Tilting the Barrel.

Press on the SAFETY CONTROL Button to enable the tilting function. The SAFETY CONTROL BUTTON must be light on to function the UPWARD and DOWNWARD buttons.



## Step 3 : Operation on Tilting DOWNWARD button.

The DOWNWARD button is to tilt downward the barrel.

Auto-Tilting: Keep pressing on the DOWNWARD button until the barrel tilts to the fixed position.

Tilting Inch by Inch: Shortly press on and release the DOWNWARD button to adjust the tilting angle of the barrel by inch.



## Step 4 : Operation on Tilting UPWARD Button.

Press on the UPWARD button to tilt back the barrel.

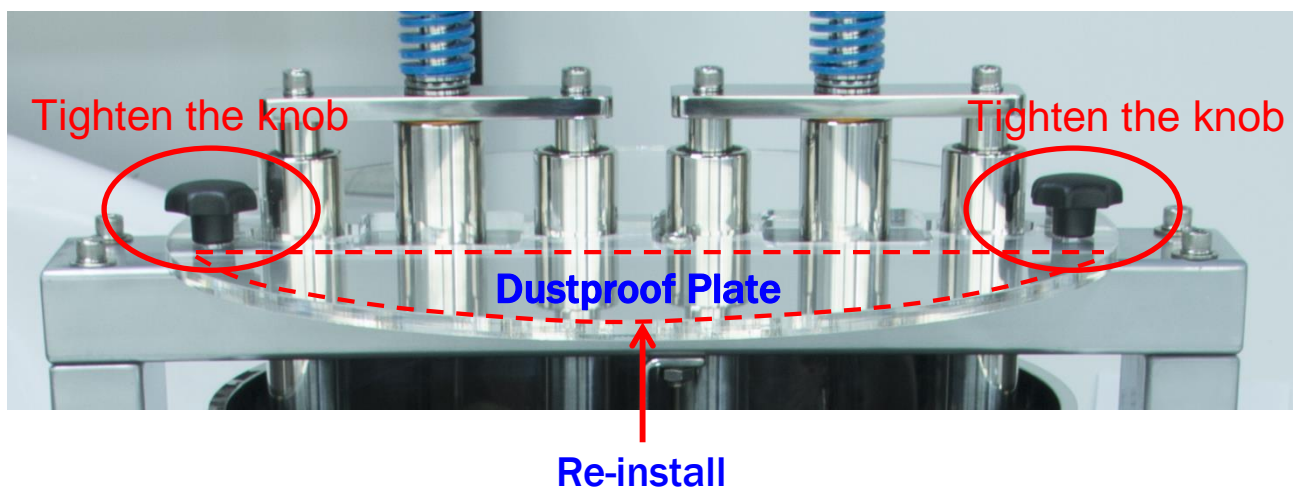
Auto-Tilting: Keep pressing on the UPWARD button until the barrel upwards to the upright position.

Tilting Inch by Inch: Press on shortly and release the UPWARD button to adjust the tilting angle of the barrel by inch.



## Step 5 : Re-install the Dustproof Plate

Completion of the Discharging → Re-install the Dustproof Plate



■ Continue refining → Refer to the operation procedure 4-1.



## V. FAULT CLEAR Button

※During the operating, if the FAULT CLEAR Button is lit on, it indicates that the machine frequency inverter is in abnormal condition. Please press on the FAULT CLEAR Button to reset the machine to normal operation.

When the FAULT CLEAR Button is lit on, press on this button to reset the machine to normal operation.



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