



**TC-TOYODA-FE**

**Toyoda Falcon Fume Extractor**

# Maintenance Manual



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# 1.1. Notice of Safety - Safety Mark

Please read these operating instructions carefully so you can start production with your fume extractor without any problems. Reproduction of these operating instructions in any form requires the written approval of Toyoda Falcon. We reserve all rights to change technical data and product features. Toyoda Falcon does not assume any liability for direct or indirect damage resulting from use of this product.

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# 1.2. Specifications

Confirm that you have suitable power before installation of the machine.

- Rated Voltage: 110V
  - Rated Current: 4A
  - Rated Power: 0.44KW
  - Energy consumption: 0.15~0.44KW
  - Net Weight: 210 lbs
  - Gross Weight: 269 lbs
  - Overall Dimensions: 21" (L) x 22.5" (W) x 54" (H)
  - Package Dimensions: 27" (L) x 25" (W) x 60.5" (H)
  - Max air amount: 660m<sup>3</sup>/h
  - Noise: ≤ 65db
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# 1.3. Notice Before Starting

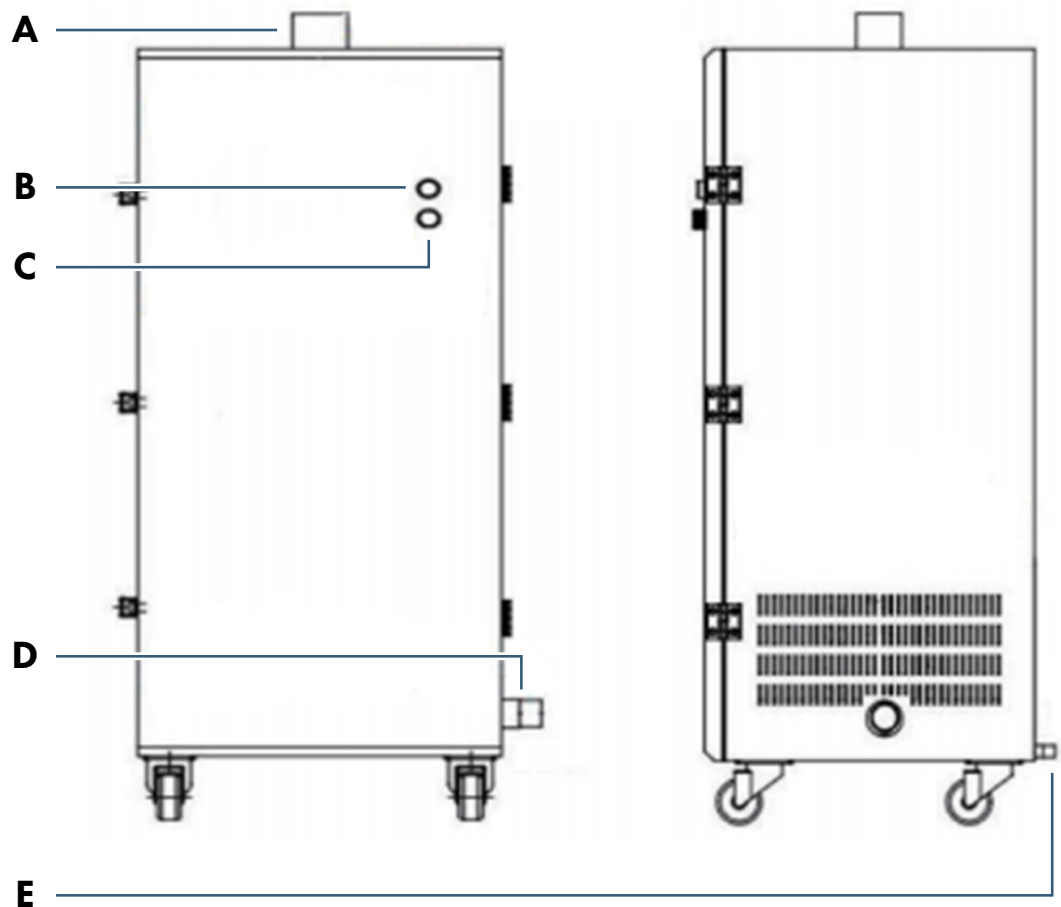
- Complete proper grounding before starting machine to avoid injury.
- Power supply must match specifications
- Check whether the line connection is proper
- For those who are sensitive to static electricity, please pay attention to personal protective measures when operating the equipment

## 2. Equipment Operation Process

1. First move the fume extractor near the smoke outlet of the powder shaker and connect the heater's smoke vent to the filter's smoke inlet.
  2. Connect the aluminum foil tube to the filter's smoke vent on the top. Let the lamp black out.
  3. Make sure the power has been connected (AC110V,50/ 60HZ).
  4. Then click the "start button" on the fume extractor.
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## 3. Installation Diagram

- A.** Smoke vent
- B.** Main Power
- C.** Airflow Control
- D.** Smoke Inlet
- E.** Drain Port



Attention: Ensure the door is closed properly to ensure no smoke leakage

## 4. Equipment Maintenance

1. Must disconnect the power when you perform maintain on the machine
2. Regularly open the front door to clean the heating room's oil with a wiping cloth. This should be done once a week.
3. The connecting pipe between the powder shaker and the smoke filter should be drained regularly to prevent the air duct from being blocked by oil accumulation in the air duct. It is recommended to drain the oil once every three days.
4. The oil drain valve of the flue gas turbine shall be opened regularly to drain the oil to prevent oil accumulation in the oil collecting tank from blocking the air path. It is recommended to drain the oil once every three days.
5. If the filter element is blocked you will need to replace it.
6. It is recommended to replace the activated carbon filter and HEPA filter every 3 months.
7. It is recommended to drain the oil once every three days for the connecting pipe of the smoke outlet of the ventilator to prevent the blockage of the air outlet, resulting in smoke exhaust obstruction and affecting the drying and smoke exhaust on the powder shaker.