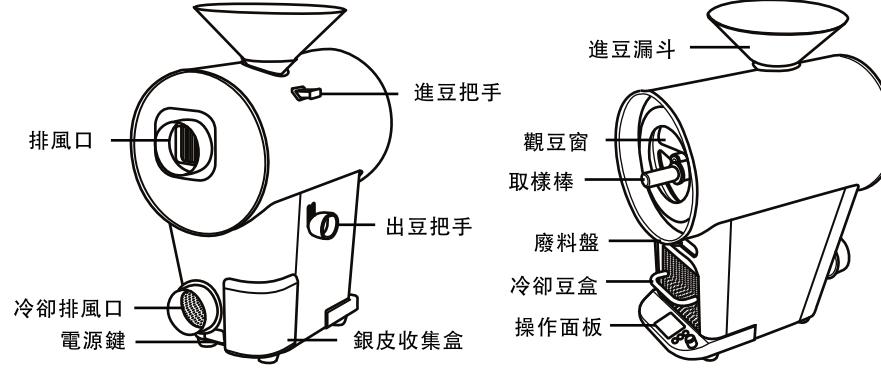


# Orbiter Roaster

## 使用說明書

感謝您購買 OB-1 Roaster: 1.2 公斤智能烘豆機，  
本產品可透過本機或是手機 APP 進行操作，並提供手動模式讓您可以  
自行控制火力、風門及轉速，而全自動模式可輕鬆烘焙。  
使用本產品前，請詳盡閱讀此使用說明書及安全注意事項。  
更詳盡的操作教學、APP 下載可掃右方 QR Code 至官方網站查詢。

### 產品圖示



### 產品規格

型號	OB-1	機身重量	35 公斤
機身尺寸	高 61 × 寬 31 × 深 51 公分 (高 70 公分含進豆漏斗)		
烘培產能	一小時 3 ~ 4 鍋	建議烘培時長	每日 5 小時
烘培量	每次 300 ~ 1200 克		
烘培時間	6 ~ 20 分鐘 (1 公斤火力全開一爆 8 分鐘)		
連線方式	智能 APP 藍芽連線 (支援 iOS / Android)		
內鍋	厚度 2 mm 304 食品級不銹鋼鍋		
玻璃	食品級耐高溫玻璃 (>400°C) 瞬間溫差 150°C		
加熱方式	半熱風式	豆盒容量	1.2 公斤
規格 / 電壓	交流電 220 伏特	最大功率	3300 瓦
火力	0 ~ 10 段	轉速	50 ~ 90 每分鐘轉數
風量	0 ~ 15 段	產地	台灣

★ 詳情請參閱官方網站產品規格表



使用本產品前請詳讀安全注意事項，並嚴格遵守。  
不當操作可能導致人身財產損傷，甚至危及性命安全！

### 禁止拆卸

請勿擅自拆卸及修改產品，否則可能導致故障甚至意外發生，且失去產品保固權益。  
若有故障情形，請與客服人員聯繫維修。

### 操作環境安全

- 請勿將本產品放置於不穩定表面、或靠近不耐熱、易燃的材質(如窗簾)、發熱電器具、電熱器、瓦斯爐等旁操作，以免發生火災。
- 請勿摔落本產品，否則可導致故障或面板及玻璃破裂，造成人員損傷。
- 請遵守產品電壓功率規範，勿使用高於 220V 的電壓供電。
- 避免使用延長線。如需使用，務必使用可負載 3300W 以上之線路，並且不可同時使用其他高功率設備，如除濕機、烤箱、微波爐等，否則可能跳電造成意外。
- 與官方電壓相比，部分房屋電壓可能較不穩定，用戶可使用穩壓器來穩地機器運作。
- 請勿在戶外或潮濕環境使用本產品，切勿讓水進入本產品，否則可能導致短路、漏電或觸電發生。

### 注意高溫

- 本產品使用過程中，金屬機身表面、取樣棒、廢料盤等溫度較高，建議配戴隔熱手套，勿直接用手觸摸，避免燙傷。
- 建議等機台溫度降至 40°C 以下，再進行清潔，避免燙傷。



官方網站

### 操作注意事項

- 請勿將咖啡豆以外的物品放入本產品內烘烤。
- 連續烘豆時間請勿超過 5 小時，避免降低機器壽命。
- 使用本產品時，操作人員務必在機器旁操作，不可長時間離開機器。
- 使用 APP 烘焙時，請勿離開 APP 烘焙操作頁面或執行接聽電話等其他任務。若離開 APP 烘焙操作頁面，機器將發出『嗶！嗶！』警告音，30 秒未返回則會自動轉為本機烘焙。當豆溫達最高安全限制 250°C 時，機器將發出『嗶！嗶！』警告音並關閉機器。
- 請勿讓烘焙豆溫超過 250°C，可能導致咖啡豆起火發生意外。
- 使用後請妥善清理銀皮收集盒及廢料盤內的銀皮屑，避免殘留銀皮阻塞造成起火燃燒。
- 機器運作中，請勿將手放入排風口，避免高速轉動的風輪導致割傷。

### 快速操作指南

#### 安裝設置

- 將電源線連接本機與 220V 插座 (20A 以上)，將漏斗、取樣棒、廢料盤、銀皮收集盒及豆盒等裝配定位。
- 請將「冷卻風機模組」DC 控制訊號線與本機連接，並將電源線連接至 220V 插座。
- 開啟電源機器將進行自我檢測程序 (約 20 秒)，若出現異常請參考官網異常警示對照表。

### 本機烘焙

透過機身旋鈕旋及快捷鍵來進行選擇、調整及確認。

### 手動模式

- 選擇模式：於主選單選定「Manual」，進入手動烘焙。
- 預熱：設定預熱目標溫度、是否要自動進豆 (Autoload)，完成後選擇「Start」進入自動預熱，也可選擇「Skip」進入全手動預熱。
- 預熱完成：
  - Autoload On：預熱完成後會自動下豆。
  - Autoload Off：預熱完成後會發出『嗶！嗶！』警報音，並進入 3 分鐘 Ready 階段，此時請手動拉動進豆拉把開始烘焙；若無動作，則 3 分鐘後會進入冷卻階段。
- 烘豆：
  - 烘焙過程中可使用「火力、風門及滾筒轉速快捷鍵」快速選定調整項目，並使用旋鈕進行調整。★ 1.2 公斤烘焙建議火力 7 ~ 10，風門 0 ~ 5。
  - 烘焙過程中可選擇 LCD 螢幕事件區，並按壓紀錄烘焙狀態 (如轉黃、焦糖化、1 爆等的時間)。
- 出豆&冷卻：選擇「Unload」或手動扳起出豆把手進行出豆，搭配「冷卻風機模組」可自動進入冷卻流程。
- 烘豆完成：選擇「Stop」終止機體及咖啡豆冷卻流程。

★ 若結束烘焙流程則建議讓機體冷卻至 40°C 以下，再進行關機。

### 自動模式

- 選擇模式：於主選單選定「Auto」，進入 Profile 選擇頁面，選定預存的 Profile 烘焙曲線，進入預熱。★ 本機可暫存 10 筆 Profile，可連接至 APP 設定預暫存的 Profile。
- 預熱/預熱完成：同手動模式。
- 烘豆、出豆、冷卻：同所選擇的 Profile 設定值，可自動完成由烘豆至冷卻的流程。
- 烘豆完成：同手動模式。

### APP 烘焙

支援 iOS 及 Android 裝置，可自動記錄烘焙數據並轉存為烘焙曲線 Profile。

#### 藍芽連線設置

- 於本機主選單選定左下角的「」藍芽符號，進入藍芽配對搜尋。
- 下載並安裝最新 Orbiter Roaster APP，點選 APP 左上角主選單並進入「ROAST」頁面，點選欲連線的烘豆機進行配對。

### 手動模式

- 選擇模式：配對完成後點選「Manual」進入手動烘焙。
- 預熱：設定預熱目標溫度 (Target Temperature)、是否要自動進豆 (Autoload)，點選「Start」開始自動預熱流程或選擇「Skip」開始全手動預熱。

### 3. 預熱完成：

- (1) Autoload On：預熱完成後會自動下豆。
- (2) Autoload Off：預熱完成後會發出『嗶！嗶！』警報音，並進入 3 分鐘 Ready 階段，此時請手動拉動進豆拉把或點選 APP 上的「Start」開始烘焙；若無動作，則 3 分鐘後會進入冷卻階段。
- 烘豆：
  - 烘焙頁面資訊：豆溫 (紅色曲線)、風口溫 (白色曲線)、ROR 曲線、火力、風門、滾筒轉速數值等。詳情可上官網查詢。
  - 烘焙過程中可調整火力、風門及滾筒轉速數值，亦可長按事件區進行事件紀錄及拍攝豆況。
- 出豆&冷卻：選擇右上角「Unload」或手動扳起出豆把手進行出豆，搭配「冷卻風機模組」可自動進入冷卻流程。
- History 轉存 Profile：APP 頁面會詢問是否將此筆烘焙紀錄 (History) 轉存成烘焙曲線 (Profile)，Profile 可用於自動模式。後續亦可在 History 頁面將烘焙紀錄轉成烘焙曲線。
- 烘豆完成：選擇「Bean Cooling off」終止咖啡豆冷卻流程；若無動作，則系統會在 5 分鐘後，自動終止此流程。

### 自動模式

- 選擇模式：於「Roast」頁面選擇「Auto」，並選取預存的 Profile 烘焙曲線，進入預熱。
- 預熱/預熱完成：同手動模式。
- 烘豆、出豆、冷卻：同所選擇的 Profile 設定值，可自動完成由烘豆至冷卻的流程。烘焙全程採 PID 火力控制回溯豆溫，使豆溫到達 Profile 設定溫度。
- 烘豆完成：
  - 選擇「Continue with the same Profile」進入連續烘焙。
  - 選擇「End this roasting」結束烘焙。

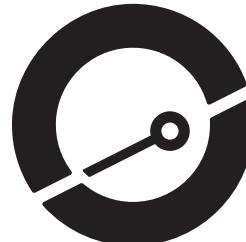
### 保養與清潔

#### 基本維護

- 定期清潔銀皮收集盒內皮屑 (建議 3 公斤烘焙量進行一次清潔)，避免風道堵塞發生危險。
- 定期清潔廢料盤粉塵碎屑 (務必於機體溫度冷卻後進行)，避免燃燒灰煙甚至走火。

#### 深度清潔

- 清潔前務必關閉電源並拔除插頭，避免觸電造成意外。
- 務必於機器冷卻後 (建議 50°C 以下) 再進行清潔，避免燙傷。
- 使用乾淨布擦拭外觀，切勿讓水及任何液體進入本機器。
- 可卸除觀豆窗前門 6 顆螺絲及內部 LED 排線，取出觀豆窗前門及滾筒進行清潔。務必輕放避免玻璃破損及滾筒變形走位，亦可清潔機器內部腔體。
- 可卸除後方排風口 4 顆螺絲及內部離心風輪六角止付螺絲，取出離心風輪進行清潔。



### 產品保固須知

- OB-1 Roaster 自出貨日期後起算，即享有 1 年的保固服務。
- 對於不當操作或人為因素引起的故障，即使在保固期內，也可能會收取維修費。
- 請於收到產品的 7 日內於官方網站完成保固會員登錄。
- 完整的保固規則、會員登入說明與保固服務選擇，可掃官方網站 QR-code 進行了解。

# Orbiter Roaster

## INSTRUCTIONS

Thank you for purchasing OB-1: the smart coffee roaster.

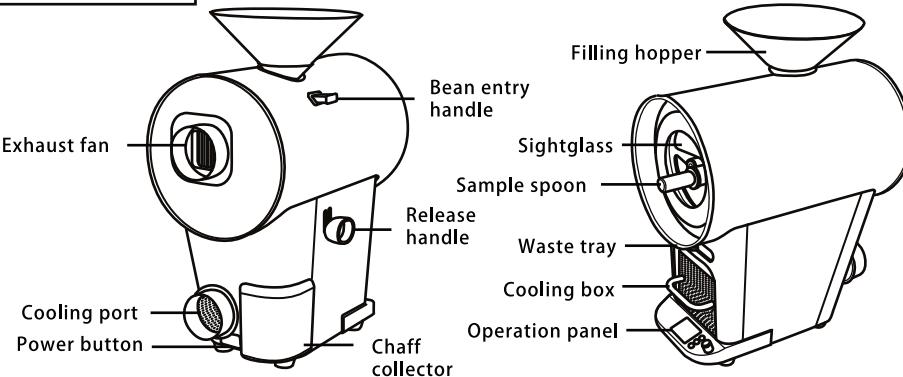
This product provides the adjustable functions of firepower, airflow and rotating speed, also supporting hands-free for full-auto roasting.

Before attempting to install the product, please read and heed all instructions in detail. For further information, please scan the QR-Code to check on the website.



official website

### Parts Name



### Product Specifications

Model	OB-1	Weight	35 kg
Dimensions	H 610×W 310×D 510 mm (H 700mm including filling hopper)		
Roasting capacity	3 ~ 4 pots per hour	Recommended time	5 hours per day
Batch size	Per time 300 g ~ 1200 g		
Roasting time	6 ~ 20 mins (1kg beans first crack in 8 mins)		
Connection method	APP communicates via Bluetooth ( Compatibility: iOS / Android)		
Inner pot	Thickness: 2 mm, SUS304		
Glass	Food grade soda-lime glass (>400°C)		
Heating method	Indirectly heated	Bean box capacity	1.2 kg
Voltage	AC 220 V	Max power	3300 W
Firepower	0 ~10 level	Rotating speed	50 ~ 90 RPM
Airflow	0 ~15 level	Origin	Taiwan

★ For more product details, please scan the QR-Code to check on the website.

### Safety Precautions



While using appliances, all safety precautions and instructions should be followed. Improper operation may cause personal and property damage, even life-threatening!

### Do not disassemble

Disassemble or modify the product without the party's liability may lead to failure or accidents, and the product warranty will be lost. If there is a fault, please contact the customer service staff for repair.

### Safe operation environment

- Do not place this product on an unstable surface, non-heat-resistant, flammable materials (such as curtains), heating appliances, electric heaters, gas stoves, etc., to avoid fire.
- Do not cause product to heavy fall, or it may malfunction or break the panel and glass door, resulting in injury.
- Only suitable for connection to the voltage rating of 220V, please follow the product's power specifications.
- If there is no alternative but to obtain an extension lead, it must be capable of a load of 3300W or even more, and do not use other high-powered devices (such as ovens, microwave ovens, dehumidifiers, etc.) at the same time, or it may cause accidents due to power failure.
- For each house electric pressure stability, user can obtain a suitable voltage stabilizer for assistance.
- Do not use this apparatus near water, humid environment or outdoors to avoid the risk of short circuit damage or electric shock.

### Beware of high temperature

- During the roasting process, the metal casing, the end of the sample spoon and waste tray are at high temperature. Please do not touch the casing and the front door or draw out the tray.
- Before you attempt to clean ensure the apparatus has cooled down below 40°C, to avoid scald.

### Operating safety precautions

- Roast only coffee beans in this product.
- Do not roast beans continuously for more than 5 hours, or the life of the machine will be shortened.
- Do not leave the machine while using this product.
- While using the APP mode, do not leave the roasting operation page or perform other tasks during roasting progress, or the machine will send out "Beep! Beep!" warning sound. After 30 seconds, if the operation page have no return, it will auto-switch to manual roasting.
- When the bean heating temperature is higher than the safety limit of 250°C, the machine will send out "Beep! Beep!" warning sound. Do not let the temperature of the roasted beans exceed 250°C, or it may cause the coffee beans to catch fire and cause an accident.
- After use, please properly clean up the chaff and ash in the waste tray and the silver skin in the chaff collector box to avoid the risk of ash on fire.
- Do not put your hands into the air outlet when the machine is in operation, or the high-speed rotating wind wheel will cause injury.

### Quick Start Guide

#### Settings

- Connect the power cord to the machine and the 220V socket (above 20A), and assemble the hopper, sample spoon, waste tray, chaff collector and bean box in position.
- Plug the Cooling fan module to a 220V socket. Connect the signal line to the corresponding jack of the machine.
- Turn on the machine and it will perform a self-test procedure (about 20 seconds). If there is any abnormal signal, please refer to the abnormal warning comparison table on the official website.

#### Local roasting

The roaster can be operated via rotating the knob beside operation panel to select and adjust. Press the knob to confirm.

### Manual mode

- Mode selection: Select "Manual" in the main menu to enter manual roasting.
- Preheating setting: Set the preheating target temperature and select whether to autoload the beans then use the knob to select and press "Start" to auto-preheat. You can also select "Skip" to enter manual preheating.
- Preheating success:
  - Autoload On: After preheating success, autoload beans.
  - Autoload Off: After preheating success, the roaster will send out "Beep! Beep!" warning sound and stay "Ready" until 3mins later; in this stage, please manually pull the entry handle to start roasting, or it will auto-start the cooling process.
- Roasting:
  - While the roasting process, you can adjust the force of firepower, airflow and rotating speed by the quick selection button and the knob. ★ For 1.2 kg roasting, the recommended firepower is 7~10, and the recommended airflow is 0~5.
  - During the roasting process, you can rotate the knob to lock the Event area of the LCD screen, and press to record the time of the roasting state such as 1st crack.
- Beans release & Cooling: Use the knob to select and press "Unload" or manually pull up the handle to release the coffee beans. If the "cooling fan module" has installed already, it will automatically conduct the bean cooling process.
- Finished: Select and press "Stop" to terminate the roaster and beans cooling process.
  - If the roasting is over, it is recommended to cool down below 40°C before shutting down.

### Automatic mode

- Mode selection: Select "Auto" from the main menu to enter the profile selection page. Select the pre-used Profile to roast automatically. ★ The roaster has 10 profile temporary storage spaces, it can be uploaded to the APP pre-temporary profile.
- Preheating success: Same as the manual mode.
- Roasting, Beans release & Cooling: Auto operation.
- Finished: Same as the manual mode.

#### APP roasting

Support iOS and Android devices. Automatically record the roasting data and save as a profile.

#### Bluetooth connection settings

- In the main menu of the machine, select the "Bluetooth" symbol in the lower left corner to enter pairing search.
- Download and install the latest Orbiter Roaster APP on the device, click the main menu in the upper left corner of the APP and enter the "ROAST" page, and click the roaster you want to connect to pair.

### Manual mode

- Mode selection: After connected, select "Manual" to enter manual roasting.
- Preheating setting: Set the preheating target temperature and select whether to autoload the beans then press "start" to auto preheating or to select "skip" to manual preheating.
- Preheating success:
  - Autoload On: Autoload beans.
  - Autoload Off: After preheating success, the roaster will send out "Beep! Beep!" warning sound and stay "Ready" until 3mins later; in this stage, please manually pull the entry handle to start roasting, or it will start the cooling process automatically.
- Roasting:
  - Roasting operation page: Present Beans Temperature (red curved), Air Temperature (white curve) and each Rate of Rise (ROR).
  - During the roasting process, the force of firepower, airflow, rotating speed are adjustable. Also, a long press on the "Event" can take photo of the beans and record the figures of the event.
- Beans release & Cooling: When the roasting comes to an end, press the "Unload" which is on the up-right of APP page or pull the machine release handle to conduct unload process. If the "cooling fans module" has installed already, it will automatically conduct the bean cooling process.
- Saving: After roasting, the system will ask whether to add this roasting history as an auto-roasting selection in Profile. Also, the roasting data from the history page can be chosen and be added to Profile.
- Finished: Press "Bean Cooling off" to finish the cooling process. If not, the system will turn off automatically after 5 minutes.

### Automatic mode

- Mode selection: Select "Auto" from the "Roast" page, select the pre-used Profile to auto-roast.
- Preheating success: Same as the manual mode.
- Roasting, Beans release & Cooling: Auto operation. The full progress adopts PID control to reach the target temperature.
- Finished:
  - Select "Continue with the same Profile" to roast constantly.
  - Select "End this roasting" to finish roasting.

### Cleaning & Maintenance

#### Basic maintenance

- Regularly keep the chaff collector empty (Recommended: every 3kg roasting volumes need to remove the contents once) to avoid stuck chaff causing fire.
- Regularly empty the dust and debris from the waste tray (Ensure that the apparatus has cooled down when you remove the tray) to avoid the risk of ash on fire.

#### Deep cleaning

- Turn the power off and remove the plug before cleaning to avoid accidents caused by electric shock.
- Ensure the apparatus has cooled down before cleaning to avoid scald.
- Clean the appearance with dry cloth, and do not expose the machine to moisture.
- By removing 6 screws on the front door and the internal LED cable, the roller and the sightglass can be taken out to clean (be careful to handle the glass and the roller to avoid the risk of breakage and deformation). The inner cavity of the machine can also be cleaned.
- You can remove 4 screws of the exhaust fan and inner hexagon set screw of the centrifugal fan, and take out the fan for cleaning.



### Warranty Notice

- Warranty Period: One year from the purchase date.
- Failed to follow these safety precautions and instructions, the maintenance fees may be charged even within the warranty period.
- Please check the warranty registration within 7 days after receiving the product.
- For full warranty rule, registration support and warranty service information, please scan the QR-code to check on the website.