# IMF Roasters

Coffee roasters and complete processing plants

# RM120

- Kg/batch: flexible 60 - 120 [132 - 265 lb/batch]
- Roasting time: flexible 8 - 20 minutes
- Output: up to 480 kg/h [1058 lb/h]
- Roasting profile control
- Double function heating chamber
- Full automatic process
- Compact design

IMF industrial roasters are ideal for high volume production, with a focus on process optimisation, costs and harmful emissions reduction, energy savings.

All IMF models are equipped with a particular re-circulation of hot air system through a single heating chamber with double function, allowing the energy necessary for the roasting process, reducing emissions concentration at the same time.

**VORTEX**

Thanks to the patented VORTEX system, the generated hot air is mixed with fresh air to reach accurate temperature control in the roasting drum for a **perfect and consistent roasting process.**

The internal air partition conveyance system allows the heat to be equally distributed internally and externally of the roasting chamber, ensuring a uniform heat transfer to each single coffee bean, for gentle and perfect roast.

The integrate software of roasting process developed from IMF allow to preset and control roasting parameters such as airflow and rotational drum speed, in order to achieve a highly **accurate repeatability** of batches.

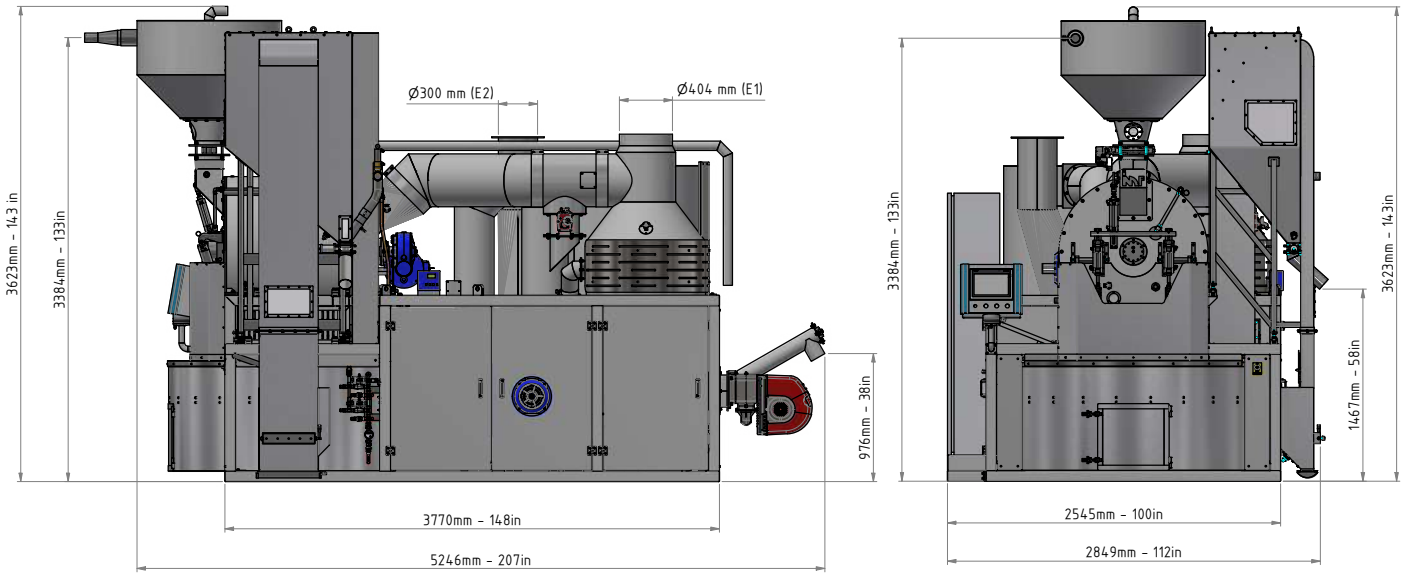
# ADVANTAGE FEATURES

## QUALITY AND EFFICIENCY

- Convection roasting method - indirect hot air heating
- Designed drum for accurate air/beans blending ratio
- Single burner for roasting and emission treatment
- Significant reduction gas consumption
- Heat recycle system for high performance energy saving
- Internal insulated pipes for safety and heat retention
- Low emission levels
- Chaff collecting cyclone with automatic extraction
- Stainless steel cooling tray
- Compact lay-out, reduced foot print
- Dark roasting profile available

## CONTROL MANAGEMENT AND SAFETY

- Insulated hot air pipes
- Water quenching in the roasting drum available
- Roasting profile management software
- Vortex patented valve for accurate air temperature control
- Control system for roasting air flow and drum speed regulation
- Modulating heat power
- Rate of rise (RoR) control
- Accurate batch repeatability
- HMI touch panel
- PLC
- Compatibility with external roasting software
- Ethernet port for PC connection
- Router for remote assistance service

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Data are indicative and susceptible of change by the producer.