Romer 200°C Powder Coating Oven - 3m Chamber



Stock No	NEW300
Manufacturer	Romer
Model	L-030131830-1D2
Year of Manufacture	2026
Internal Size (WxDxH mm)	1300 x 3000 x 1770mm
Max Temp	200°C
Other Info	* Available Fast - In Stock at the OEM *
External Dimensions (WxDxH mm)	1780 x 3360 x 2950mm

Description

Manufactured for efficient & controlled powder coating applications, this 200°C powder coating oven features a spacious 3m long chamber with vertical forced air circulation for consistent and uniform heat distribution. Available now to order direct from the OEM, it offers a brand new machine without the usual manufacturing lead time.

Designed for safe, flexible operation, the oven incorporates a modular construction, insulated chamber, top rail system and included loading trolley and guide rails. Advanced PLC control with a 7" touchscreen HMI provides programmable control of temperatures, ramps, dwells and cycles, while multiple temperature sensors and built-in over-temperature protection support accurate and safe operation.

Brand New Machinery Available With No Lead Time

In partnership with powder coating specialists Romer, you can secure brand new machinery for rapid delivery. Already built and ready to deliver this exclusive opportunity gives you access to new equipment without the usual manufacturing lead times. Limited stock available – act now.

Benefits and Features

- Vertical forced air circulation with roof mounted fan/s for easy maintenance.
- Temperature calibration and uniform heat distribution is achieved by adjustable circulation inlets in the chamber side walls.
- Double wing loading doors with adjustable, explosion proof, slam shut positive door locks can be opened from inside the oven as a safety feature.
- Control gas and fume built up with a controlled safe air exchange system, capable of 30 m³/h.
- Programmable chimney automatically opened by an electric actuator.
- Passive air ventilation and cooling (vents open to allow passive cooling).
- Top rail system, made up of 3 preinstall rails inside the oven.
- Load/unload trolley & guide rails included.
- Constructed from 240mm insulation walls and 400mm insulation ceiling
- Galvanized steel chamber
- Modular electric heating panel - Reliable ceiling mounted panel for direct chamber heating.
- Flexible heat resistant door seals.
- CE conformity.

Controls

- **ThPID** control system offsets the effect of heating inertia called hysteresis. The standard solution is based on a circuit that switches elements on and off with constant power. ThPID dynamically adjusts the voltage at the setpoint temperature reducing power user and increasing accuracy.
- **MTS** control system provides more accurate temperature measurement by using multiple sensors across the oven chamber.
- Side mounted control panel with HMI display and an easy view status sounder and LED signalling tower.
- Built-in Over Temperature protection.
- PLC controlled with iCure 7" Touch screen HMI panel with programmable functionality.
- Easy to use, large colour touch panel, providing full control of all operational parameters.
- Save up to 20 programs and 10 consecutive triggers governing ramps, dwells, time and temperatures.
- Protection against incorrect burning in the event of power resumption after a sudden power loss.
- Built in internal real-time clock.
- Possibility of installation diagnostics, operating hours counter and number of cycles
- On-board energy consumption monitoring and recording.
- ModBus MASTER/SLAVE RS485 compatible.
- Two-channel temperature recorder.
- **iCure** PC analysis software.
- USB data export

- Possibility of remote diagnostics/software updates via the internet

Smart ThPID & MTS features

The MTS + ThPID **smart control systems** manage oven performance to **deliver accuracy** and **reduce power consumption.** The charts below show how both features increase performance. You can choose a Romer Essentials Oven without MTS & ThPID, suitable for many processes at a reduced cost.

Without MTS & ThPID	**With** MTS & ThPID
±°C and power visually illustrated	Improved performance and accuracy

Image: Romer Oven ThPId Feature

Specification

- Max temperature - 200°C
- Internal chamber size - 1300 x 3000 x 1770mm
- Internal chamber height without rails - 1900 mm
- External size - 1780 x 3360 x 2950mm
- Leg height - 100 mm
- Total chamber volume - 9m³
- Maximum total load - 600 kg
- Wall thickness: from 240mm on walls to 400mm on the ceiling
- Finish: Galvanized sheet
- Number of top rails - 3
- Rail length in front of the device - 100mm
- Forced air circulation - vertical
- Number of motors - 1x 1.1kW
- Temperature calibration performed using adjustable openings on the side walls
- Total heating power - 30kW
- Heating method - Electric heating panel
- Maximum temperature - 200°C
- Heating time to 180°C (full load) - 81 min
- Heating time to 180°C (empty) - 44 min
- Controlled air exchange reduces heat losses and shortens furnace heating time
- Efficient air exchange- 30 m³/h

Romer - Experienced Oven Manufacturer

The outstanding feature of Romer ovens is the *quality* of manufacturing. Everyone who stands in front of a Romer, from buyers to calibration engineers, have

Image: Romer Industrial Ovens

commented how *well constructed* they are.

Romer have been manufacturing ovens and powder coating machines from their base in central Poland for over *25 years* and export to 40 countries worldwide. Their 8,000m² facility employs over 150 staff and has passed Riley Surface World's inspection and auditing requirements.

Riley Surface World and Romer have *secured a partnership* to service the UK market with large (over 1m³) ovens up to 200°C. These ovens are perfect for curing powder *coating* but the range of applications is large.

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.