

Romer 200°C Industrial Oven Range



Stock No	NEW080
Manufacturer	Romer
Model	SLS-O
Condition	Brand New
Internal Size (WxDxH mm)	Various
Max Temp	200°C
Other Info	Touchscreen HMI Control
External Dimensions (WxDxH mm)	Various

Description

Romer Electric Ovens are 200°C general purpose, electric, batch ovens from 3.4m³ upwards. Ideal for temperature thermal processes such as drying, curing and pre-heating.

These ovens are from the well respected Polish manufacturer, Romer, and include upgraded controls and build features for Riley Surface World.

Constructed from 160mm thick heavy duty steel insulated panels and externally clad in a hard wearing powder coated finish.

During use, air is circulated around the oven by a roof mounted fan through adjustable hot air vents in the side panels. Ventilation of air during or after the cycle is passive, with programmable vents or forced air ventilation available.

The MTS + ThPID iCure Controller included improves the functionality of the oven by offering user control of all of the process full tractability not only of the process but also of power consumption. The controller comes complete with additional PC software. The controller can be recorded and transferred to your own PC for review and archiving. Riley Surface World offer an [essential](#) MTS + ThPID features.

Forced Air Circulation

Featuring the addition of a fan to cycle air around the internal chamber, forced air circulation ovens (also known as mechanical) give you a greater heat consistency for your precision heat application. The higher the air circulation rate per minute results in a more uniform heat. Riley Surface World can also provide [convection ovens](#) with no fan-assisted air circulation.

Typical Applications

- Powder Coating Curing Processes
- Water based paint stoving
- Curing resins, rubbers and composite materials
- Pre-heating and low temperature heat treatments
- Processing plastics
- Thermal bonding
- Drying applications
- Thermal testing etc.

Benefits and Features

- Forced air *circulation* with a roof mounted fan.
- Multi positional hot air return vents for uniform heat distribution.
- Temperature calibration is achieved by adjustable holes inside walls.
- Passive air ventilation and cooling (vents open to allow passive cooling).
- Forced air ventilation is available (ventilation fan blows cool air into the oven to extract and cool via vents).
- Double loading doors with adjustable, explosion proof, slam shut positive, door locks.
- Design tested to better than $\pm 5^{\circ}\text{C}$ over a 9 point survey.
- Controlled and automatic exhaust damper for programmed fume ventilation as you need for your process.
- Insulated floor with trolley entry channels.
- Constructed of 160mm thick heavy duty steel insulated panels.
- Modular electric heating system - Swiss made finned elements, easy access panel, and an innovative design offering.
- Silicone door seals.
- CE Marked.
- Product trolley supplied.
- 1 year manufacturer warranty.



Controls

- **ThPID** control system offsets the effect of heating inertia called hysteresis. The standard solution is based on a circ off with constant power. ThPID dynamically adjusts the voltage at the setpoint temperature reducing power user an
- **MTS** control system provides more accurate temperature measurement by using multiple sensors across the oven
- Side mounted control panel with HMI display and an easy view status sounder and light bar.
- Over temperature protection.
- PLC controlled with iCure 7" Touch screen HMI panel with programmable functionality.
- 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.
- Built in calendar.
- Process memory review - internal memory for 20 cycles.

- Start timer - begin your process before you reach the factory.
- On-board energy consumption monitoring and recording.
- Process memory review.
- ModBus MASTER/SLAVE RS485 compatible.
- USB port for data capture to PC based **iCure** analysis software.
- **iCure** PC analysis software.

Available Sizes

Model	Temp °C	Size	Internal mm w x d x h
SLS-O 1.5 x 1.5 x 1.5	200	3.4 m ³	1.5m x 1.5m x 1.5m
SLS-O 1.5 x 1.2 x 2.0	200	3.6 m ³	1.5m x 1.2m x 2.0m
SLS-O 1.5 x 1.5 x 2.0	200	4.5 m ³	1.5m x 1.5m x 2.0m
SLS-O 2.0 x 1.5 x 2.0	200	6.0 m ³	2.0m x 1.5m x 2.0m
SLS-O 2.0 x 2.0 x 2.0	200	8.0 m ³	2.0m x 2.0m x 2.0m
SLS-O	200	Custom	To suit your process

Options

- Forced Air Ventilation.
- Programmable fan speed.
- Stainless Steel Chamber.
- Dividing Chamber (bulkhead).
- Extraction Hood.
- Floorless Base
- Separate control zones (bulkhead required).
- Ceiling mounted tracks.
- Flat Floor with trolley for lighter loads.
- Hanging frame or rail mounted on trolleys.
- Material handling conveyors.
- Built on legs with or without optional two part trolley.
- Controlled Cooling: You can use this oven to control the cooling rate of your process. This allows considerable control to manage the temperature drop over time. Programmable from the easy-to-use touch screen the oven uses its advanced system to dynamically adjust the heating elements and manage the temperature drop.
- Gas powered heating - available on some models (mains and LPG).

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 commented how *well constructed* they are.

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Machine Datasheet



Image: 1

Romer have been manufacturing [ovens](#) and [powder coating](#) machines from their base in central Poland for over 25 years 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 1m²) ovens up to 22 curing powder *coating* but the range of applications is large.

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



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