

Custom Powder Coating Ovens

Built to perform. Built to last.

Powder Coating Ovens Australia supplies custom electric and gas powder coating ovens for workshops, manufacturers and coating businesses Australia wide. Each oven is built to suit your required internal size, heat rating, work flow and production needs.

Why choose PCOA

- Custom built oven sizes
- Electric and gas options available
- Up to 300°C depending on specification
- 100mm to 150mm insulated wall construction depending on size and heat requirements
- Forced air circulation for consistent heat distribution
- Digital temperature control systems
- Custom batch trolley options available
- Delivery Australia wide can be organised
- Factory inspected prior to dispatch
- 12 month manufacturer parts warranty



Typical Applications

Suitable for wheels, suspension components, fabricated steel parts, furniture frames, stool frames, table bases, gates, motorcycle frames, automotive restoration parts and general industrial batch curing applications.

Key Features

Heating options	Three phase electric or gas fired systems
Temperature range	Up to 300°C depending on final specification
Insulation	100mm to 150mm insulated panel construction with high density rock wool insulation
Air circulation	Forced air circulation system for even heated air flow
Controls	Digital temperature controller
Build style	Assembled units or larger sectional units depending on required size
Trolley options	Custom batch trolley systems available

Build Options

Assembled transport option

Maximum assembled internal sizing generally supplied is up to 1900mm internal width, 2100mm internal height and 9000mm internal length.

Sectional supply option

For larger ovens, units can be supplied in sections for assembly on site. Drawings and instructions are provided with sectional builds.

What is typically included

- Custom manufactured oven chamber to the nominated internal dimensions
- Insulated wall and door construction
- Heating system and air circulation system
- Digital temperature control system
- Operating documentation and instructions
- Factory inspection prior to dispatch



Information we need for an accurate quote

- Required internal size
- Largest part dimensions
- Desired operating temperature
- Electric or gas preference
- Site access and available floor space
- Delivery location
- Whether a trolley system is required



Lead time	Estimated production timeframe is typically 3 to 4 months depending on final specification.
Freight	Freight from Sydney is additional unless otherwise agreed in writing.
Warranty	12 month manufacturer parts warranty covering defective components under normal operating conditions.
Site requirements	Electrical works, gas fitting, engineering approvals, installation and local compliance requirements remain the responsibility of the client.

Contact

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Batch Trolley System

LOAD OUTSIDE THE OVEN. TRANSFER THE COMPLETE BATCH INSIDE.

The batch trolley system is designed so parts can be loaded onto a rack outside the oven. The rack is then positioned at the oven opening and transferred into the curing chamber, reducing handling and making larger batches easier to manage.



Transfer trolley and oven entry

The mobile loading frame is positioned in front of the oven. The inner rack aligns with the oven rail system so the batch can be transferred into the chamber.



Racks positioned inside the oven

This example shows two multi-level racks positioned inside the curing chamber. Rack quantity and configuration can be designed around the oven size and the parts being coated.



Custom rack design

Racks can be built with multiple hanging levels and support rails to suit different component sizes. The trolley dimensions, rack arrangement and load capacity are matched to the final oven design and the customer's typical work.

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|--|---|--|--|
| <p>1
Load parts onto the rack outside the oven.</p> | <p>2
Position the trolley at the oven opening.</p> | <p>3
Transfer the loaded rack into the chamber.</p> | <p>4
After curing, transfer the rack back onto the trolley.</p> |
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