

Batch Trolley System

LOAD OUTSIDE THE OVEN. TRANSFER THE COMPLETE BATCH INSIDE.

The PCOA batch trolley system is designed to make loading and unloading larger powder coating batches simple. Parts are arranged on a removable rack outside the oven, the trolley is positioned at the oven opening, and the complete rack is transferred into the curing chamber.



How the system works

1. Load Hang or place the parts onto the rack while it is outside the oven.	2. Position Roll the trolley to the oven opening and line the rack up with the entry rails.	3. Transfer Roll the loaded rack from the trolley onto the oven rail system.	4. Unload After curing, transfer the rack back onto the trolley and move it away from the oven.
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POWDER COATING OVENS AUSTRALIA
BUILT TO PERFORM. BUILT TO LAST.

Trolley and Rack Configurations

CUSTOM SIZED TO SUIT THE OVEN AND THE WORK BEING COATED

The trolley and rack arrangement can be customised to the oven chamber, the size of the parts being coated and the required batch capacity. The examples below show different rack styles and how the rack sits inside the curing chamber.



Multi level racks inside the oven

Multiple racks can be used where the oven size and product mix suit this arrangement. Hanging rails can be positioned across several levels.



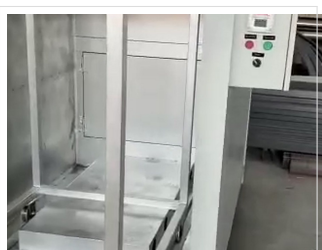
Custom rack construction

Rack frames can be manufactured with multiple hanging rails, support points and levels to suit the parts being processed.

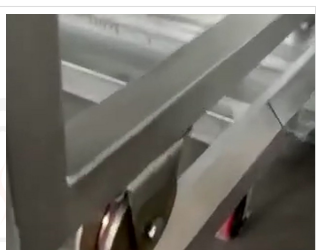
Transfer rail detail



Trolley positioned at the oven



Rack aligned with the entry rails



Guide wheel and rail arrangement



Rack engaged with the oven system

Design options

Rack sizing	Matched to the oven internal dimensions and the customer's typical parts.
Load arrangement	Single rack, multiple racks or multi level hanging arrangements depending on the application.
Hanging rails	Rail quantity and spacing can be configured around product size and batch density.
Load capacity	Frame section and support layout can be selected to suit the required working load.
Transfer system	Trolley height, wheel arrangement and oven rail alignment are designed as one system.

Important: The images shown are examples of trolley and rack systems. Final dimensions, frame layout, wheel arrangement, rails and load capacity are confirmed to suit each oven and customer application.