TECHNICAL DATA SHEET

Product Data Sheet · Revision: November 2026

INDUSTRIAL OVENS

Conveyor Ovens

Conveyor Ovens are designed for high-volume lines with uninterrupted part flow. Engineered both as conveyorised powder coating curing ovens (160–220 °C) and conveyorised powder enamel firing ovens (780–850 °C).

Open online

strong3000.com/en/products/conveyor-ovens/



KEY FIGURES

Oven Type	Operating Mode	Operating Temperature	Temperature Uniformity
Conveyor / continuous	**Continuous conveyor flow**	**Powder coating: 180–220 °C curing · Powder enamel: 780–850 °C firing**	**Powder coating oven: max. ±2 °C between top and bottom**

OVERVIEW

Uninterrupted Flow, High Throughput.

Conveyor (continuous) ovens carry parts through the oven uninterrupted on a transport conveyor. This continuous flow delivers a consistent curing cycle time and high throughput for high-volume production lines.

Curing temperature is set to the process — typically the ~160–200°C range for powder coating. An insulated tunnel enclosure and zoned temperature control provide uniform curing synchronized with the conveyor speed. On powder coating ovens, proportional burners run on natural gas, LPG or diesel; the oven is integrated with the STRONG3000 finishing line.



KEY BENEFITS

Continuous Productivity.

Continuous Flow
Uninterrupted, high-volume curing on the conveyor.

High Efficiency
Insulated tunnel enclosure for maximum output per line.

Consistent Curing
Repeatable temperature profile synchronized with conveyor speed.

Line Integration
Compatible with STRONG3000 finishing line and conveyor systems.

TECHNICAL SPECIFICATIONS

Conveyor Ovens — Technical Specifications.

Tunnel length and heating capacity are engineered to your line speed and hourly output.

Oven Type	Conveyor / continuous
Operating Mode	Continuous conveyor flow
Operating Temperature	Powder coating: 180–220 °C curing · Powder enamel: 780–850 °C firing
Temperature Uniformity	Powder coating oven: max. ±2 °C between top and bottom
Tunnel Dimensions	Engineered to line speed and hourly output
Conveyor Speed / Capacity	Set by the line conveyor speed and hourly output target
Heat Source	Proportional burner: natural gas, LPG or diesel (powder coating oven)
Heat Exchanger	AISI 309/310 stainless steel (powder coating oven)
Insulation	150 mm rock wool and glass wool panels (powder coating oven)
Entry / Exit	High-pressure air curtains

VIDEO

See It in Action.



Enamel Firing Oven Line

Watch on YouTube ↗

WHY STRONG3000?

The Engineering Difference.

We don't sell equipment and walk away; we stay with your line from design through commissioning and beyond.

Integrated Engineering

Machinery, electrical, automation and software under one roof — not sourced and assembled.

In-House Technology

Smart AI and OWL are original STRONG3000 technologies developed in-house.

Proven Experience

25+ years of engineering; installation, commissioning and service in 40+ countries.

24/7 Support

Phone, remote connection and 24/7 live support via WhatsApp.

Quotes & Technical Consulting

Tell us about your part, capacity and process. A STRONG3000 engineer will get back to you with a tailored proposal.

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FOR A QUOTE, PREPARE

Product to Be Coated · Max. Part Dimensions · Required Capacity · Number of Colors · Daily Color Changes · Coating Process · Project Timeline

Values are typical ranges; final values are confirmed per project by STRONG3000 engineering. This sheet summarises the product page on our website; scan the QR code for the latest information.