STRONG3000

TECHNICAL DATA SHEET

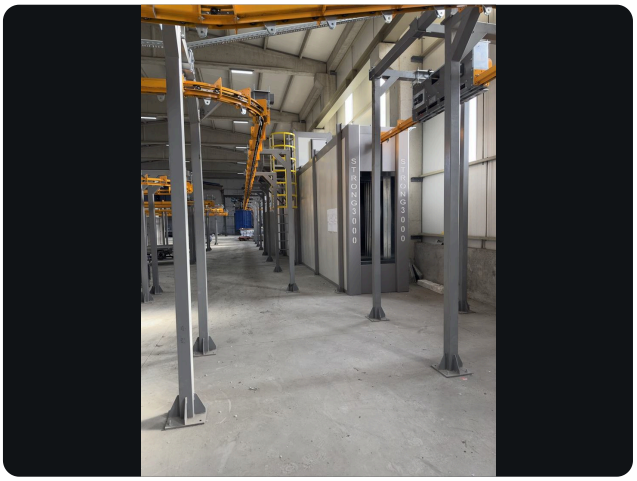
Product Data Sheet · Revision: November 2026

INDUSTRIAL OVENS

Dry-off Oven

The STRONG3000 Dry-off Oven flashes off all water and moisture left on parts coming out of the pretreatment tunnel, before powder application. A dry, clean surface ensures stable powder adhesion, uniform film build and prevents defects such as pinholes and outgassing.

Open online
strong3000.com/en/products/dry-off-oven/



KEY FIGURES

Operating temperature	Task	Heating	Insulation
110 – 160 °C	**Drying after pretreatment**	**Natural gas / LPG / electric**	**100 mm rock wool**

OVERVIEW

From Wet Part to Dry, Coating-Ready Surface.

Parts leaving pretreatment (degreasing, rinsing, phosphate or nano-ceramic conversion) are wet; residual surface water cannot go straight into powder application. The dry-off oven holds the part at a controlled temperature (typically ~100–160°C) to evaporate water from the surface and from geometric pockets — directly improving powder adhesion and final film quality.

Available with gas or electric heating, the oven delivers homogeneous temperature across the whole work volume through an insulated enclosure and controlled air circulation. Drying time and capacity are sized to part geometry and line speed; supplied in conveyor (continuous) or box (batch) configuration, it pairs as part of a coordinated line with STRONG3000 pretreatment and application equipment.



KEY BENEFITS

Dry Surface, Sound Adhesion.

Complete Moisture Removal

Fully evaporates water from the surface and geometric pockets.

Defect-Free Film

Reduces the risk of pinholes, craters and outgassing.

Uniform Temperature

Uniform heat across the work volume for repeatable drying.

High Thermal Efficiency

Low energy loss thanks to the insulated body and controlled circulation.

GALLERY

Take a Closer Look.









TECHNICAL SPECIFICATIONS

Dry-off Oven — Technical Specifications.

Values are typical ranges; final values are confirmed per project by STRONG3000 engineering.

Operating temperature	110 – 160 °C
Task	Drying after pretreatment
Heating	Natural gas / LPG / electric
Insulation	100 mm rock wool
Control	PLC + touchscreen

THE WHOLE SYSTEM

Order of the Powder Coating Line.

The dry-off oven sits between pretreatment and powder application: without a dry surface the powder cannot adhere properly.



1

PRETREATMENT

Industrial Washing Systems

Oil, grease and swarf are removed by multi-stage spray washing; an optional phosphate / nano-ceramic stage is added.

Explore →

2

You are here

DRYING

Dry-off Oven

Water and moisture left on wet parts from pretreatment are driven off before coating (typically ~100–160 °C).



3

POWDER APPLICATION

PVC Powder Coating Booths

Powder is applied to the part by automatic guns; powder that does not stick is recovered by the mono-cyclone.

Explore →



4

CURING

Powder Coating Ovens

The powder melts, flows and cures hard at ~160–200 °C.

Explore →



5

HANGER LOOP

Hanger Cleaning System

Cured paint built up on the hangers is cleaned off, and the hangers return to the line with sound grounding.

Explore →

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.

Production Center	Ömerli Mah. Elektro 2000 Sanayi Sitesi B18 Blok, Tunaboyu Sk. No:1AZ, 34555 Arnavutköy / Istanbul, Türkiye
Phone	+90 212 438 56 94 · +90 534 037 98 10
E-mail	info@strong3000.com
24/7 WhatsApp	+90 537 353 54 19
Web	strong3000.com/en/products/dry-off-oven/

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.