STRONG3000

TECHNICAL DATA SHEET

Product Data Sheet · Revision: November 2026

APPLICATION EQUIPMENT

Elite

Elite is an essential electrostatic control unit designed for everyday manual powder application — a simple digital interface, rugged housing and stable kV/µA control deliver reliable results at entry level.

Open online

strong3000.com/en/products/elite/



KEY FIGURES

Output voltage	Recipes	Variants	Interface
0 – 100 kV in steps	**1 product recipe memory**	**Hopper / Multicolor / Powder Enamel**	**Buttons + LED indicator**

OVERVIEW

Simple, Rugged, Reliable.

Elite brings the essential electrostatic parameters (high voltage and current) together behind a clear, durable interface. It delivers consistent manual coating in workshop conditions without complex setup.

It works with STRONG3000 guns and booths, and is a solid starting point for a later upgrade to the Elite Plus, Smart or Smart AI platforms.



KEY BENEFITS

Effortless Essential Control.

Simple Digital Interface

Fast, accurate setup with minimal training.

Stable kV/µA Control

Consistent charging and repeatable film.

Durable Housing

Rugged design suited to workshop conditions.

System Compatible

Works with STRONG3000 guns and booths.

KEY FEATURE

Control Voltage and Current Separately.

Elite's greatest strength: **kV (voltage)** and **µA (current)** are set independently from the panel. This lets you tailor electrostatic behavior precisely to each part geometry — you are never stuck with a single shared setting.

kV — Voltage

The strength of the electrostatic field controls how the powder is charged and attracted to the part. High efficiency on flat, wide surfaces.

µA — Current

Limits the ionization current; manages back-ionization. Deeper penetration into recesses, corners and Faraday cage areas.



Setting both independently delivers efficiency on flat surfaces and penetration into recesses/corners **at the same time** — less waste, uniform film and repeatable results.

AUTOMATIC CONTROL

Control Automatic Guns Too.

The same precise kV and µA control carries over to automatic lines. STRONG3000 **automatic control cabinets** manage many automatic guns from a single point; the voltage and current of each gun can be set **individually**.

It integrates with reciprocator and robot lines, enabling repeatable, operator-independent series production with recipes.

Discover the Automatic Powder Coating Gun →



TECHNICAL SPECIFICATIONS

Elite — Technical Specifications.

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

Output voltage	0 – 100 kV in steps
Recipes	1 product recipe memory
Variants	Hopper / Multicolor / Powder Enamel
Interface	Buttons + LED indicator
Design	Compliant with EN 50050-2 requirements

HOW IT WORKS

From Powder to Finished Part.

01

Feeding

Powder is fed from a hopper, drum or powder center by a venturi injector.

02

Electrostatic Charging

The gun charges the powder by corona in the 0–100 kV range.

03

Recipe Control

Elite manages kV/µA and powder flow with a single stored recipe.

04

Application & Recovery

The part is coated; excess powder is recovered from the booth.

CONFIGURATIONS

Choose Your Setup.



Elite Hopper

Standard manual setup with a fluidized-bed powder hopper.



Elite Multicolor

Direct feeding from the box for fast color changes.



Elite Powder Enamel

Vitreous enamel application with a wear-resistant set.

COMPATIBLE EQUIPMENT

Part of the STRONG3000 System.

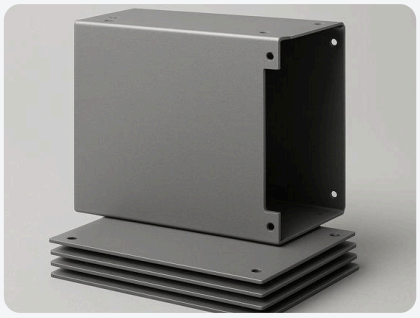
- ✓ **Venturi Injector** — precise powder feeding
- ✓ **PVC / Steel Monocyclone Booths** — application & recovery
- ✓ **Powder Center & Ultrasonic Sieve** — consistent powder quality
- ✓ **Reciprocators & Robotics** — automated motion
- ✓ **Curing & Firing Ovens** — line integration

APPLICATIONS

Where It Excels.

Job Coating

Job-shop powder coaters



Explore →

Metal Furniture & Enclosures

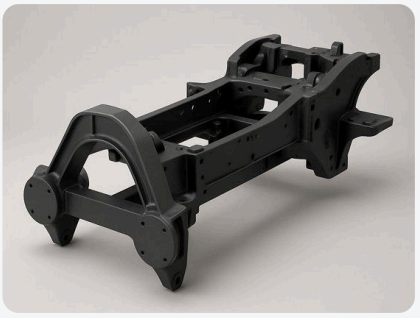
Metal furniture & enclosure manufacturing



Explore →

General Industry

General industrial parts



Explore →

Touch-up & Samples

Touch-up & sample stations



Explore →

CERTIFICATIONS

Built to Standards.

STRONG3000 Elite holds ATEX and CE documentation. You can download the documents below.

CE | ATEX II 3(2)D | IEP 23 ATEX 1257X | EN 50050-2 | EN 50177



ATEX — Controller

IEP 23 ATEX 1257-X · PDF · 2.7 MB

Download



ATEX — Hand-held Gun

IEP 23 ATEX 1256-X · PDF · 3.5 MB

Download



CE — Device & Gun

2023PTC3602 · PDF · 1.2 MB

Download



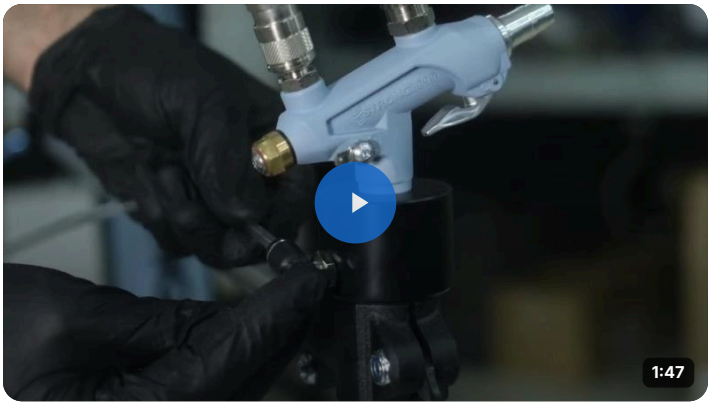
ATEX — Production Quality Assurance

IEP 23 ATEX Q1258 · PDF · 2.2 MB

Download

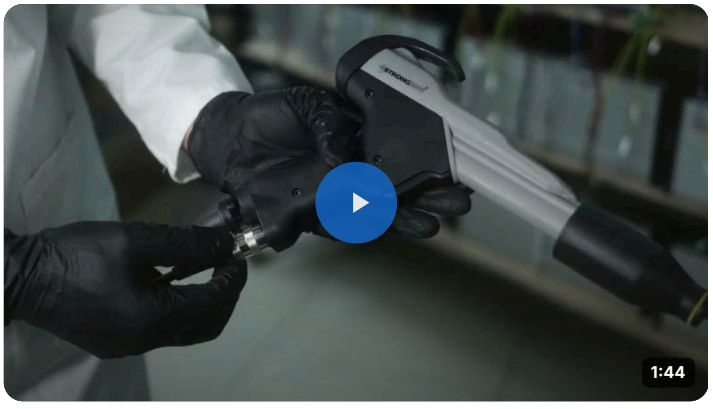
VIDEO

See It in Action.



Elite Multicolor System — Installation & Setup

Watch on YouTube ↗



Elite Tank Set System — Installation & Setup

Watch on YouTube ↗

MATERIAL

Durable Engineering Plastics.

Across all our manual series — Elite, Elite Plus, Smart and Smart AI — the carts, hopper and multicolor models are made of antistatic, easy-to-clean and durable engineering plastics.

Antistatic

Powder does not cling to or build up on the surface.

Easy to clean

Body and hopper are cleaned quickly at color change.

Durable

A body that withstands impacts and tough shop-floor conditions.

COMPATIBLE GUNS

A Gun for Every Job.

All guns work with Smart, Elite and Smart AI control units. Manual guns are not used on automatic units.

Manual Guns · 3 Types



Manual · Powder Coating

Manual Powder Coating Gun

Manual gun for standard powder coating applications.



Manual · Powder Enamel

Manual Powder Enamel Gun

Wear-resistant manual gun for vitreous/porcelain enamel.

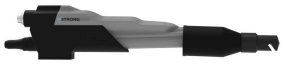


Manual · Laboratory

Manual Laboratory Gun

Laboratory-type gun for sample and R&D work.

Powder Coating Guns · 3 Lengths



Powder Coating · 40 cm

Short

Short reach for compact parts and tight spaces.



Powder Coating · 52 cm

Medium

General-purpose, the most widely used medium length.



Powder Coating

Long

Long reach for deep and large parts.

Powder Enamel Guns · 2 Lengths



Powder Enamel

Short

Short reach for compact and cavity parts.



Powder Enamel

Long

Long reach for deep and large parts.

COMPARISON

Control Unit Comparison.

Feature comparison of the Elite, Elite Plus, Smart and Smart AI control units.

THIS PRODUCT

Elite

- ✓ Standard Air Regulator with Pressure Gauge
- ✓ Current and voltage independently adjustable
- ✓ 100 kV & 120 µA ATEX safety limit
- ✓ 1 product recipe memory
- ✓ LED indicator panel
- ✗ Language support
- ✗ Modbus & RS485 communication
- ✗ Gun-mounted control button
- ✗ Wi-Fi & remote software updates
- ✗ OWL & AI integration
- ✗ Spare part lifetime notifications

Elite Plus

- ✓ Precision Digital Air Regulator
- ✓ Current and voltage independently adjustable
- ✓ 100 kV & 120 µA ATEX safety limit
- ✓ 10 product recipe memory
- ✓ 7-inch impact- and static-resistant display
- ✗ Language support
- ✗ Modbus & RS485 communication
- ✓ Gun-mounted control button
- ✓ Wi-Fi & remote software updates
- ✗ OWL & AI integration
- ✗ Spare part lifetime notifications

Smart

- ✓ Precision Digital Air Regulator
- ✓ Current and voltage independently adjustable
- ✓ 100 kV & 120 µA ATEX safety limit
- ✓ 10 product recipe memory
- ✓ 7-inch impact- and static-resistant display
- ✓ Language support
- ✓ Modbus & RS485 communication
- ✗ Gun-mounted control button
- ✗ Wi-Fi & remote software updates
- ✗ OWL & AI integration
- ✗ Spare part lifetime notifications

Smart AI

- ✓ Precision Digital Air Regulator with Flow Control Sensor
- ✓ Current and voltage independently adjustable
- ✓ 100 kV & 120 µA ATEX safety limit
- ✓ 60 product recipe memory
- ✓ 7-inch impact/static-resistant display with protective cover
- ✓ 12-language support (English, Russian, Chinese...)
- ✓ Modbus & RS485 communication
- ✓ Gun-mounted control button
- ✓ Wi-Fi & remote software updates
- ✓ OWL & AI integration
- ✓ Spare part lifetime notifications

FAQ

Frequently Asked Questions.

Will it work with my existing booth?

Yes. Elite is designed to work with STRONG3000 booths and with existing booths that have standard grounding.

How can I get the technical specifications and price?

Fill in the Request a Quote form, and our engineering team will prepare a configuration and price for your application.

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/elite/

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.