



+30 YEARS

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ABOUT US

Founded in 1998, Sistem Teknik A.Ş. has been a preferred company within Turkey in domestic and international markets with a high satisfaction thanks to its products manufactured under the ELECTRON brand in accordance with advanced standards for a quarter of a century. Every day, our capacity grows a little more with our widespread sales and service network as well as our strategic perspective, quality and efficient production by prioritizing customer satisfaction.

Following the increasing production volume, our company continues its activities in two separate locations in Izmir with a total area of 15.000 m² to provide a more efficient production for its customers with a production track in accordance with the advanced standards equipped, state-of-the-art machinery and our R&D center certified by the Ministry of Industry and Technology.

**NO MATTER
HOW CHALLENGING
THE POWDER COATING SYSTEMS
YOU ARE PLANNING TO INSTALL.
YOU HAVE A SOLUTION IN
ELECTRON ENGINEERING.**

Our company is one of the leading companies in the sector specialized in the production of "Electrostatic Powder Coating Equipment and Complete Coating Systems" with more than a quarter century of knowledge and experience.

Manufactured under the Electron brand with world quality standards, our products are widely accepted in Turkey thanks to our professional dealers and after-sales services, as well as production, assembly, spare parts and after-sales services in more than 70 countries in 5 continents all over the world.

Besides device production, we evaluate the needs and demands of our customers for project-based paint systems, offer the best solutions, add all the new technological developments in our sector to our applications and continue to develop without compromising on quality.



ORGANIZATION

Istanbul headquarters has an area of 500 m². We continue our high quality production in a total area of 15,000 m² in two separate locations in İzmir.

In our organization, our Domestic Sales, Export Sales, Finance and Accounting, R&D, Production, After Sales Services, Planning, Purchasing, Human Resources, Quality, ERP Business and Process Development, Information Processing, Warehouse, and Shipment departments work with all their efforts to ensure the highest efficiency and efficiency in the management of orders.

Electron global projects continue to work for sustainable, quality and efficient production that is sensitive to people and the environment, as one of the leading organizations that makes significant contributions to the sector with its operation planning skills, corporate structure, and 200+ employees that continue to increase every day all over the world.

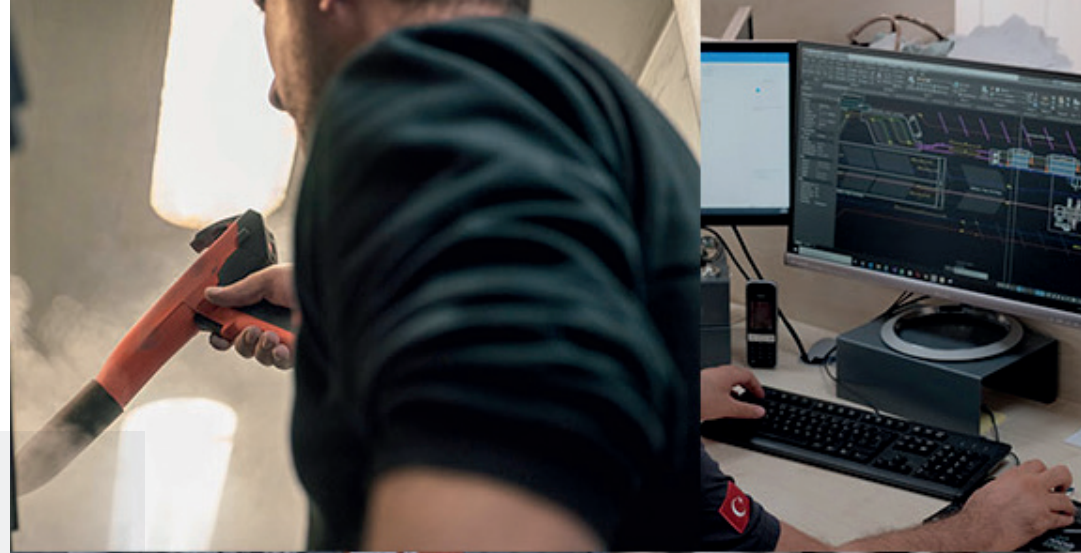
25+
Years of Activity

70+
Countries We Are In

200+
Staff

50.000+
Installation

15.000m²
Production Facility





VISION

CONTEMPORARY PRODUCTION AND MANAGEMENT APPROACH

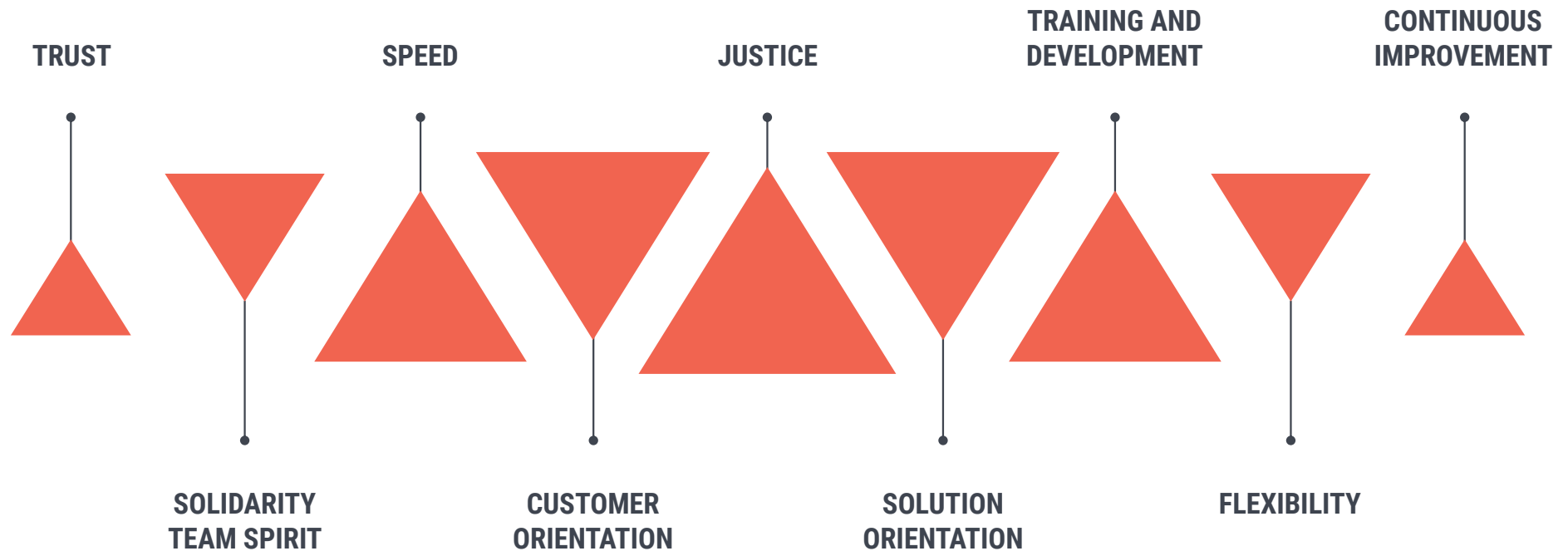
Adopting modern production-management techniques at every stage of business processes, developing our employees without compromising our values and always supporting our customers with our employees who have a high sense of belonging and enjoy their work.

MISSION

SUPERIOR SERVICE AND PRODUCT WARRANTY

To become the world's number one preferred manufacturer in the industry with a structure that prioritizes innovation for the benefit of its customers, superior product and service quality and a solution-oriented business model.

VALUES



Electron corporate culture is a philosophy built on basic values by focusing on the human approach first. The corporate culture of our company is to be a sustainable company that integrates strategic approaches into management processes without compromising its values, supports innovation and creativity,

adopts modern production and management techniques at every stage of business processes, has high quality and productivity standards, and has employees with high employee loyalty and enjoy their work.

At Electron, innovation is a culture that enables us to consistently deliver better products and services to our customers.

Electron aims to provide customers with innovative and intelligent production solutions. It maintains its leading position in the sector with smart products such as Industry 4.0 compatible electrostatic powder coating devices and systems. Through its research and development activities, it explores innovative technologies to improve production efficiency and quality.



INNOVATIVE AND SMART SOLUTIONS

Innovation is at the core of our business as Electron. As a leading company in the production of electrostatic powder coating devices and systems, we aim to provide more efficient and quality production to our customers by providing innovative and smart solutions.

INNOVATIVE AND SPECIAL DESIGN PROJECTS

Innovative design is involved in every step of our production processes. On an ongoing basis, we conduct research and development activities to improve our products. In addition, we carry out special design projects in accordance with the demands of our customers.

INDUSTRY 4.0 COMPATIBLE PRODUCTION

Our innovation Strategy is based on providing the best solutions to our customers by following the latest technologies in our industry. For example, industry 4.0 compatible electrostatic powder coating devices and systems. These devices are equipped with smart features, enabling production processes to become smarter, faster and more efficient.

INNOVATION

INNOVATIVE, SMART AND SUSTAINABLE SOLUTIONS

We have established our R&D Center, which is officially approved by the Ministry of Industry and Technology of the Republic of Turkey, in order to enhance this approach on the scientific platform, and we successfully carry out national and international projects with our experienced and expert R&D team.

INDUSTRY 4.0

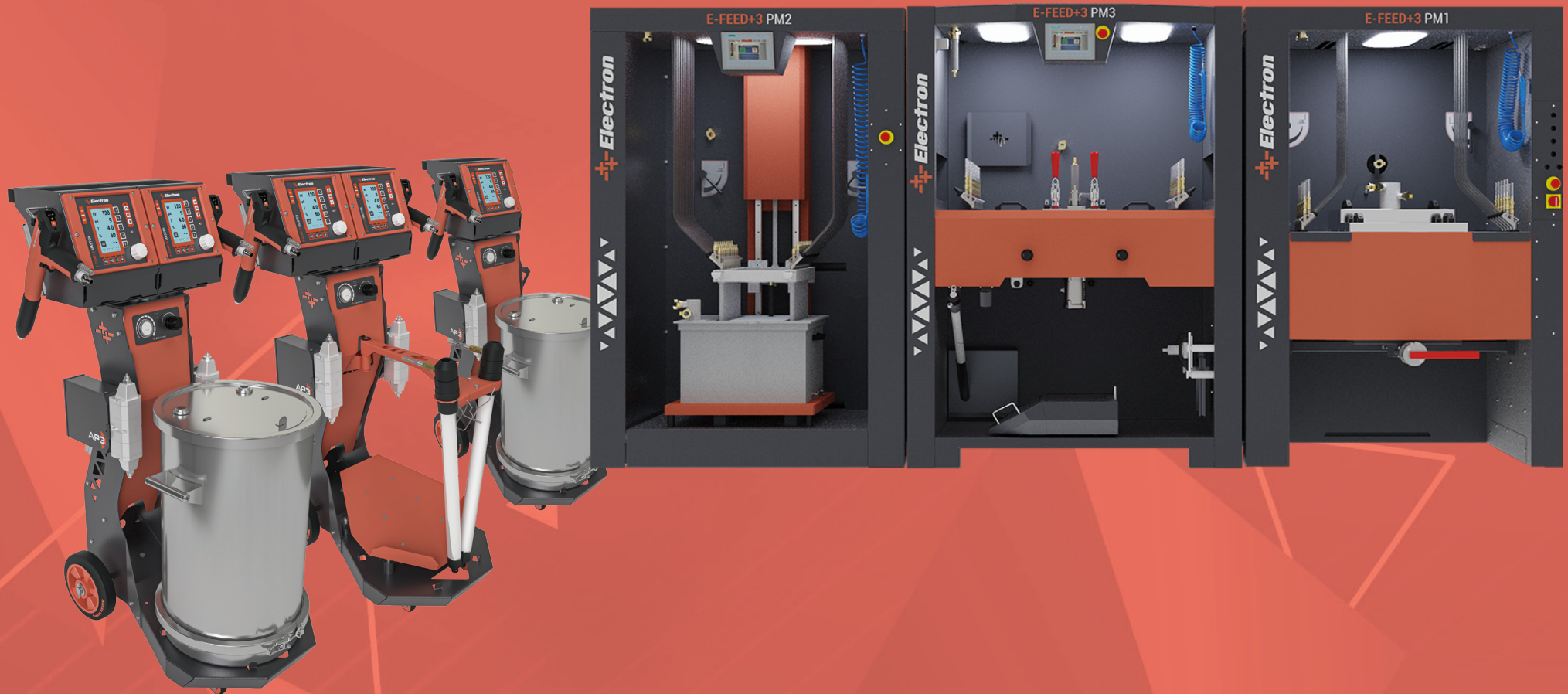
SMART AND EFFICIENT PRODUCTION SOLUTIONS

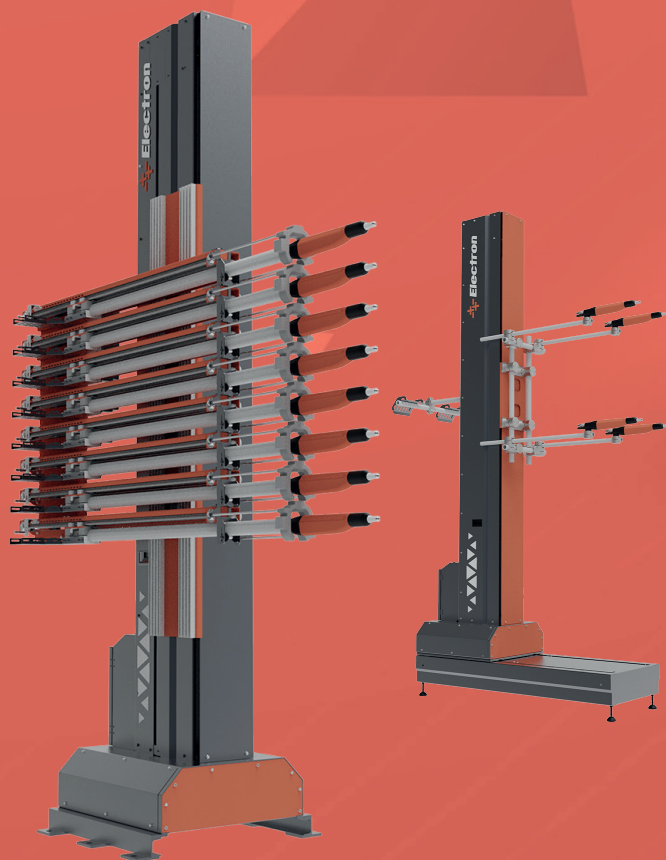
Electron electrostatic powder coating devices and systems are designed to be industry 4.0 compliant. The devices are equipped with smart features such as advanced sensors, automatic controls and wireless connections. These features ensure that production processes are optimized, productivity is increased, and costs are reduced.



POWDER COATING EQUIPMENT

Everything you need for the production of electrostatic powder coating devices, equipment and accessories.





E-COAT+3 Series

15

E-FEED+3 Series

26

E-GUN+3 Series

42

E-ROBOT+3 Series

48

E-CONTROL+3 Series

56

E-COAT+3 Series

THE RHYTHM OF PRODUCTION

E-COAT+3 Series devices are pump-fed upper segment devices where pneumatic and electrical parameters are digitally controlled through the front panel.



BLUE
TOOTH
CONNECTION

120kV
THE WORLD'S
MOST
POWERFUL

LED
LIGHT



E-COAT+3 MASTER Series

POWDER COATING DEVICES



Rotatable
Head



5.0" TFT
Display



Double
Head

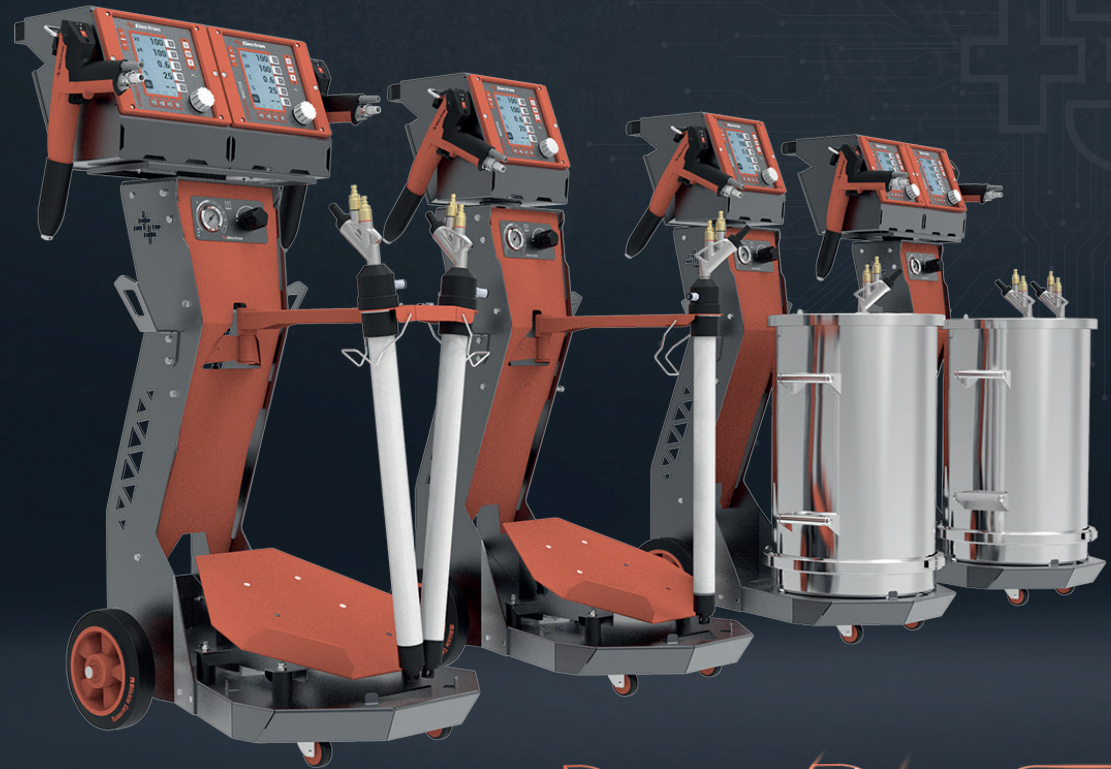


Fast
Cleaning

E-COAT+3 MASTER Series devices are upper segment devices where pneumatic and electrical parameters are digitally controlled from the front panel.

Its electrical controls give the opportunity to adjust the air values both independently and proportionally while remaining dependent on voltage and current. The factory settings, along with 50 different customizable electrical/pneumatic specifications, dual triggering options, PLC automation and bluetooth connectivity, make the E-COAT+3 MASTER the optimal solution for especially advanced manual and automated applications.

The sub-10 μA micro charge control option, as well as the 120kV-120 μA maximum charge capacity and built-in LED lighting features create a unique coating experience for users. It can respond to different application needs with automatic, manual options and a wide range of accessories.



BLUE
TOOTH
CONNECTION

120kV
THE WORLD'S
MOST
POWERFUL

LED
LIGHT



Check
Our
Product
Online



Platform
Connection
Device



Surface
Connection
Device



Wall
Connection
Device

- + Accurate static voltage and current control with feedback
- + Hybrid proportional valve system not affected by inlet pressure changes
- + Proportional and independent pneumatic adjustment option
- + Ability to save 50 different prescriptions
- + 4 quick prescription options
- + Easy operation thanks to the rotating adjustment knob
- + Remote control feature with buttons on the gun
- + Compatibility with automation systems thanks to UDP / IP connection

- + Fast navigation between recipes with double triggering
- + Quick gun cleaning with FastPurge module option
- + Quick control of the work with built-in LED lighting
- + Data log and analysis thanks to Bluetooth connection
- + Strong loading performance with 120kV-120μA charging capacity
- + Excellent coating even on difficult surfaces thanks to microcharging control below 10 μA



Compatible Equipment

E-FEED+3 INJ Series



E-GUN+3 Series



	MASTER A	MASTER B	MASTER H	MASTER M	MASTER H Dual	MASTER M Dual
E-COAT+3 MASTER Control Unit	1 pcs.	1 pcs.	1 pcs.	1 pcs.	2 pcs.	2 pcs.
E-GUN+3 C3 Automatic Powder Coating Gun	1 pcs.	-	-	-	-	-
E-GUN+3 C1 Manual Powder Coating Gun	-	1 pcs.	1 pcs.	1 pcs.	2 pcs.	2 pcs.
E-FEED+3 INJ	1 pcs.	1 pcs.	1 pcs.	1 pcs.	2 pcs.	2 pcs.
Double Conductive Anti Static Powder Hose	12 m	7 m	7 m	7 m	7 m x 2	7 m x 2
Stainless Hopper	-	-	+	-	+	-
Multicolor Suction Hose	-	-	-	+	-	+
Multicolor Vibration Motor	-	-	-	+	-	+
Double Operator Working at the Same Time	-	-	-	-	+	+

E-COAT+3 MASTER P3 Series

POWDER COATING DEVICES



Simple and
Compact Design



5.0" TFT
Display



E-FEED+3 AP3
Compatible



Rotatable
Head

E-COAT+3 MASTER P3 Series devices are pump-fed upper segment devices where pneumatic and electrical parameters are digitally controlled through the front panel. While electrical controls remain dependent on voltage and current, it provides the ability to proportionally adjust the air values of the application pump.

The factory settings, along with 50 different customizable electrical/pneumatic specifications, dual triggering options, PLC automation and bluetooth connectivity, make the E-COAT+3 MASTER P3 the optimal solution for especially advanced manual and automated applications where it is necessary to pump the powder for high surface quality and/or higher powder output.

The patented E-Feed+3 AP3 application pump, featuring TriFlow technology, delivers outstanding powder output of up to 900 grams per minute. It ensures a flawless coating process through dense-phase powder transfer, providing a truly exceptional painting experience.



BLUE
TOOTH
CONNECTION

120KV
THE WORLD'S
MOST
POWERFUL

LED
LIGHT



Check
Our
Product
Online



Platform
Connection
Device



Surface
Connection
Device



Wall
Connection
Device

- + Accurate static voltage and current control with feedback
- + Hybrid proportional valve system not affected by inlet pressure changes
- + Proportional and independent pneumatic adjustment option
- + Ability to save 50 different prescriptions
- + 4 quick prescription options
- + Easy operation thanks to the rotating adjustment knob
- + Remote control feature with buttons on the gun

Compatibility with automation systems thanks to UDP/
IP connection

- + Fast navigation between recipes with double triggering
- + Quick control of the work with built-in LED lighting
- + Data log and analysis thanks to Bluetooth connection
- + World's strongest loading performance with 120kV - 120μA charging capacity
- + Excellent coating even on difficult surfaces thanks to microcharging control below 10 μA
- + Our new generation AP3 application pump offers a powder coating transfer capacity of up to 900 grams per minute.



P3-A



P3-B



P3-H



P3-M



P3-H
Dual



P3-M
Dual

	P3-A	P3-B	P3-H	P3-M	P3-H Dual	P3-M Dual
E-COAT+3 MASTER P3 Control Unit	1 pcs.	1 pcs.	1 pcs.	1 pcs.	2 pcs.	2 pcs.
E-GUN+3 C3 Automatic Powder Coating Gun	1 pcs.	-	-	-	-	-
E-GUN+3 C1 Manual Powder Coating Gun	-	1 pcs.	1 pcs.	1 pcs.	2 pcs.	2 pcs.
E-FEED+3 AP3	1 pcs.	1 pcs.	1 pcs.	1 pcs.	2 pcs.	2 pcs.
Double Conductive Anti Static Powder Hose	12 m	7 m	7 m	7 m	7 m x 2	7 m x 2
Stainless Hopper	-	-	+	-	+	-
Multicolor Suction Hose	-	-	-	+	-	+
Multicolor Vibration Motor	-	-	-	+	-	+
Double Operator Working at the Same Time	-	-	-	-	+	+

E-COAT+3 PRO Series

POWDER COATING DEVICES



Rotatable
Head



High
Efficiency
Injector



Simple and
Compact Design



Fast
Cleaning

E-COAT+3 PRO Series devices are first segment devices in which pneumatic and electrical parameters are controlled by buttons and regulators on the front panel.

Electrical controls provide the opportunity to adjust air values independently of each other while connected to voltage and current. Factory settings and 50 different customizable electrical prescriptions, the E-COAT + 3 PRO emerges as the economical solution, especially for manual and basic applications. It can respond to different application needs with automatic, manual options and a wide range of accessories.

Factory settings and 50 different customizable electrical prescriptions, the E-COAT + 3 PRO emerges as the economical solution, especially for manual and basic applications. It can respond to different application needs with automatic, manual options and a wide range of accessories.



Check
Our
Product
Online



Platform
Connection
Device



Surface
Connection
Device



Wall
Connection
Device

- + Feedback-Based precision static voltage and current control
- + Independent pneumatic adjustment option
- + The capability to save 50 different recipes
- + Easy operation thanks to the rotating adjustment knob

Compatible Equipment

E-FEED+3 INJ Series



E-GUN+3 Series



PRO A

PRO B

PRO H

PRO H Dual

PRO M

PRO M Dual

E-COAT+3 Pro Control Unit	1 pcs.	1 pcs.	1 pcs.	2 pcs.	1 pcs.	2 pcs.
E-GUN+3 C3 Automatic Powder Coating Gun	1 pcs.	-	-	-	-	-
E-GUN+3 C2 Manual Powder Coating Gun	-	1 pcs.	1 pcs.	2 pcs.	1 pcs.	2 pcs.
E-FEED INJ Powder Injector	1 pcs.	1 pcs.	1 pcs.	2 pcs.	1 pcs.	2 pcs.
Double Conductive Anti Static Powder Hose	12 m	7 m	7 m	7 m x 2	7 m x 2	7 m x 2
Stainless Hopper	-	-	+	+	-	-
Multicolor Suction Hose	-	-	-	-	+	+
Multicolor Vibration Motor	-	-	-	-	+	+
Double Operator Working at the Same Time	-	-	-	+	-	+

E-COAT+3 LAB Series

POWDER COATING DEVICES

The **E-COAT+3 LAB DI** powder coating device is the perfect choice for tabletop use. This device offers unparalleled precision and flexibility, allowing users to apply powder coating with the E-Feed+3 VI injector.

The **E-COAT+3 LAB DI** series contains all the electrical and pneumatic features of the E-COAT+3 Master/PRO models. The E-FEED+3 VI inline type injector, compatible with the E-GUN+3 C1/C2 model gun, is easy to install and remove, offering an excellent painting experience for short-term applications.

Our device offers fast and easy use by suctioning directly from the paint bag. Choose the 500 ml paint container for small-scale jobs or the 1000 ml paint container for large areas or long-term applications. It adapts to all kinds of projects with three different paint reservoir options.

E-COAT+3 LAB Series are the best choice for achieving the best results in all your paint projects. Take your work to the next level with its practical and versatile usage features.



Check
Our
Product
Online



E-GUN+3 C1 with E-FEED+3 VI INLINE



E-COAT+3 LAB MASTER DI

- + Quick inspection of the workpiece with built-in LED illumination
- + The Bluetooth connection enables data logging and analysis.
- + Strong loading performance with 120kV-120μA charging
- + Fast navigation between recipes with double triggering
- + Ability to save 50 different prescriptions
- + Accurate static voltage and current control with feedback
- + Hybrid proportional valve system not affected by inlet pressure changes

E-FEED+3 VI INLINE



E-COAT+3 LAB PRO DI

- + The capability to save 50 different recipes
- + Feedback-Based precision static voltage and current control
- + Easy operation thanks to the rotating adjustment knob
- + Independent pneumatic adjustment option
- + This economical solution is ideal for manual and basic applications.
- + Strong loading performance with 100kV-100μA charging capacity

**E-FEED+3 VI INLINE
with suction tube**



**E-FEED+3 VI INLINE
with 500ml**



**E-FEED+3 VI INLINE
with 1000ml**



E-COAT+3 LAB BI-C Series

POWDER COATING DEVICES

The **E-COAT+3 LAB BI-C** powder coating device is the perfect choice for tabletop use. This device offers unparalleled precision and flexibility, allowing users to apply powder coating with the E-Feed+3 VI injector.

The **E-COAT+3 LAB BI-C** series contains all the electrical and pneumatic features of the E-COAT+3 Master model. The E-FEED+3 VI inline type injector, compatible with the E-GUN+3 C1/C2 models gun, is easy to install and remove, offering an excellent painting experience for short-term applications.

E-COAT+3 LAB BI-C is the best choice for achieving the best results in all your paint projects. Take your work to the next level with its practical and versatile usage features.



Check
Our
Product
Online



E-GUN+3 C1 with E-FEED+3 VI INLINE



E-FEED+3 VI INLINE



E-COAT+3 LAB BI-C

- + Fast navigation between recipes with double triggering
- + Strong loading performance with 120kV-120µA charging capacity
- + The Bluetooth connection enables data logging and analysis.
- + Quick inspection of the workpiece with built-in LED illumination
- + It works with E-Coat+3 Master Control Unit.
- + Ability to save 50 different prescriptions
- + Hybrid proportional valve system not affected by inlet pressure changes
- + Accurate static voltage and current control with feedback

E-FEED+3 VI INLINE

E-GUN+3 C1
Manual Powder Coating Gun

E-GUN+3 Series
45° ANGLED HEAD GRUP

E-GUN+3 Series
90° ANGLED HEAD GRUP

E-GUN+3 Series
DEFLECTOR SET

E-GUN+3 Series
DEFLECTOR HEAD ASSEMBLY SHAFT SET

E-GUN+3 Series
250 mm EXTENSION HEAD GRUP

E-GUN+3 Series
150 mm EXTENSION HEAD GRUP

E-GUN+3 Series
CUP POWDER COATING 500ml *

E-GUN+3 Series
FLAT HAT PATTERN SETTER

E-GUN+3 Series
HEAD GROUP WITH DEFLECTOR

E-COAT+3 MASTER
CONTROL UNIT



***Optional:**

If you want a 1000 ml cup, you need to buy it externally. Contact your sales representative. You can choose a 1000 ml cup on request. Contact your sales representative.

E-FEED+3 Series

TECHNOLOGY OF THE FUTURE

Our new generation pneumatic pumps performing
powder coating transfer with high efficiency.





E-FEED+3 PM1 Series

POWDER COATING DEVICES



Simple and
Compact Design



Low Energy
Consumption



User
Friendly

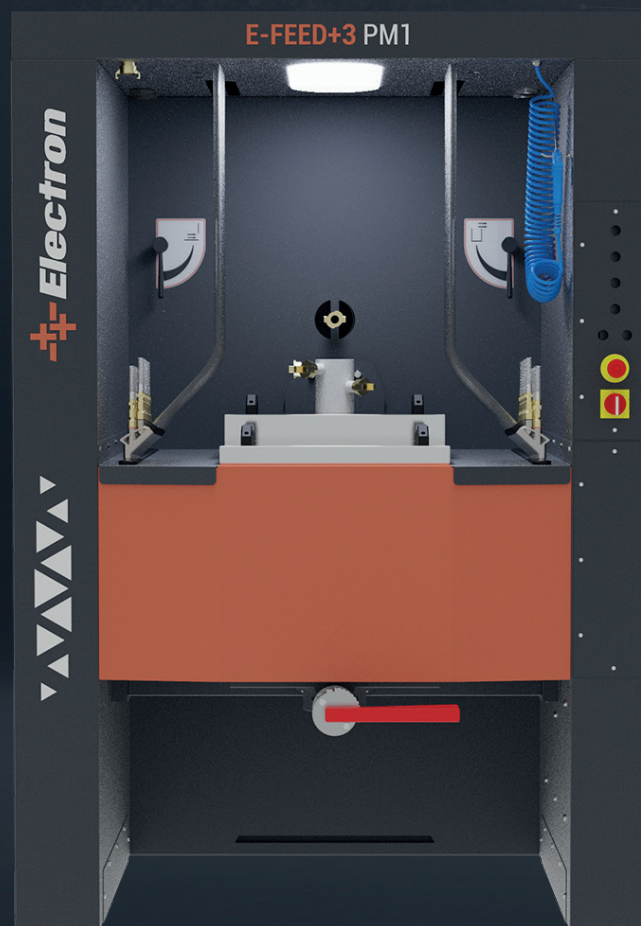


Homogeneous
Powder Flow

PM1 Series paint centers are designed for applications where manual color changing is sufficient.

Thanks to its simple design, it is user-friendly and allows various production applications with its flexible structure. It is a suitable solution for applications that require rare color changes. It is used together with Electron Filter Groups as Exhaust System.

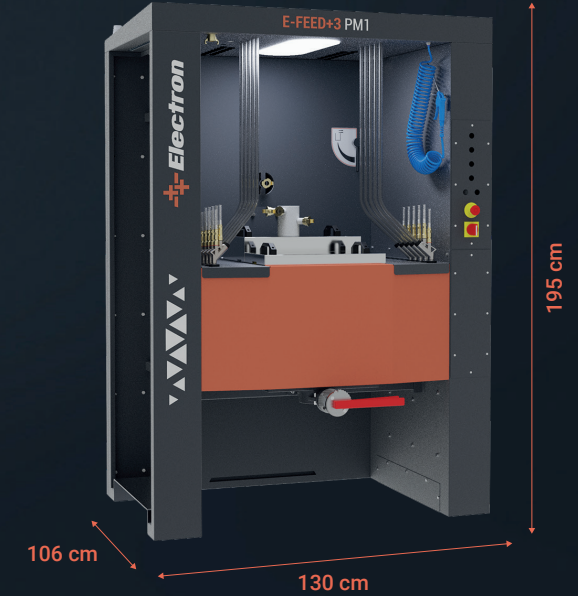
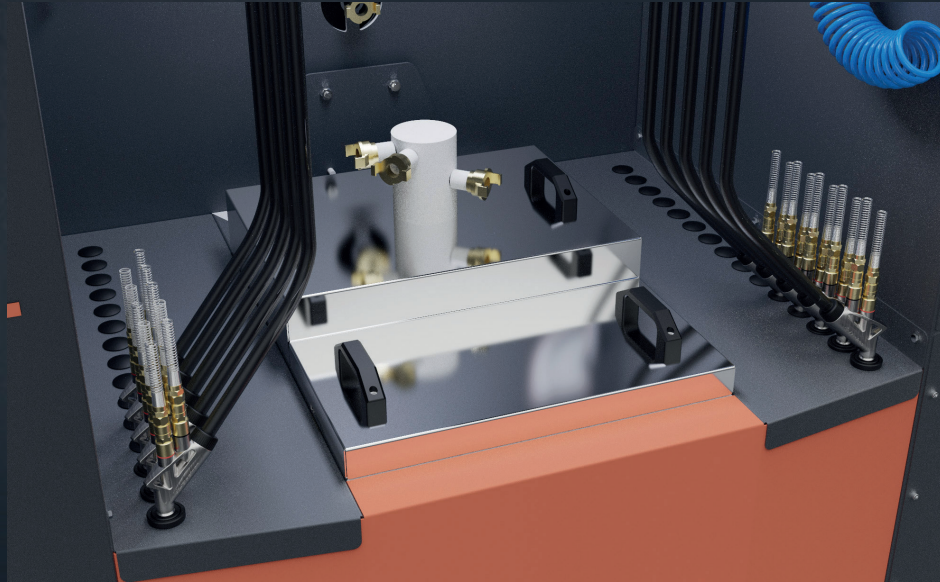
- + PM120-130
up to 20 injector - up to 30 injector
- + PM120P
up to 20 application pumps



Check
Our
Product
Online



- + Excellent Coating Results
- + Lean and Compact Design
- + Manual Color change
- + Homogeneous Powder Flow
- + Adjustable Air Suction Dampers



Compatible Equipment

E-BOOTH+3 Series



E-GUN+3 Series



E-FEED+3 Series



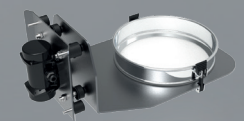
E-FEED+3 INJ Series



E-FEED+AP3 Series



Vibration Sieve



Optional

E-FEED+3 PM2 Series

POWDER COATING DEVICES



Simple and
Compact Design



Quick Color
Change



Low Energy
Consumption

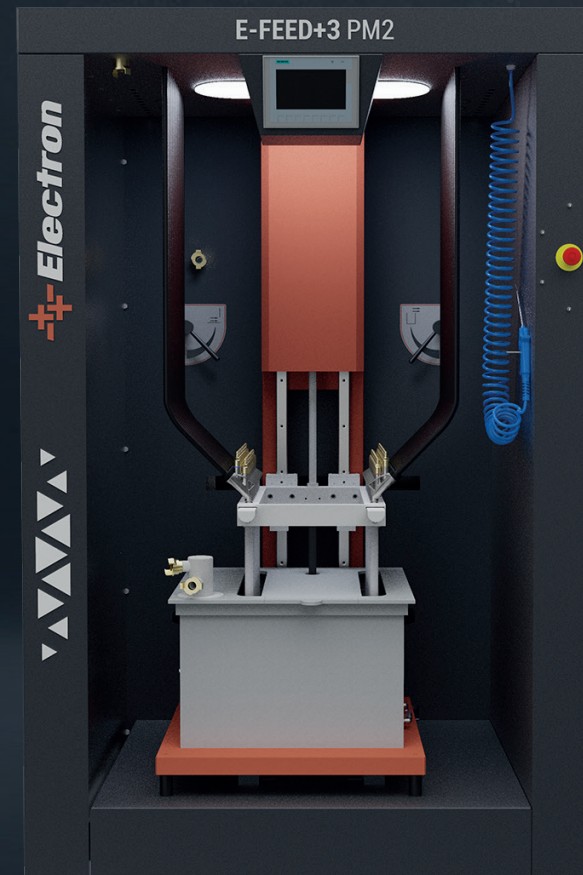


User
Friendly

E-FEED+3 PM2 Series powder centers are designed for applications where semi-automatic color change is needed.

They provide fast cleaning as well as effective and homogeneous powder transfer. It is used together with Electron Filter Groups as Exhaust System. Thanks to its motion activated mechanism, it provides automatic cleaning of the system by directly supplying air to the injector line. Optimal solution for productions requiring medium frequency color changes.

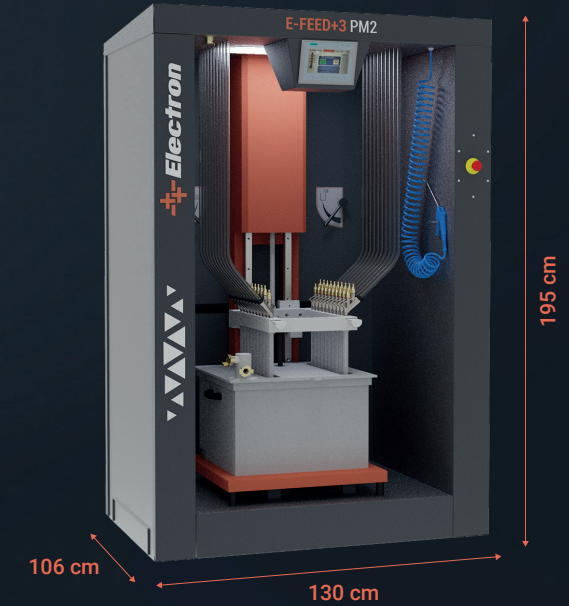
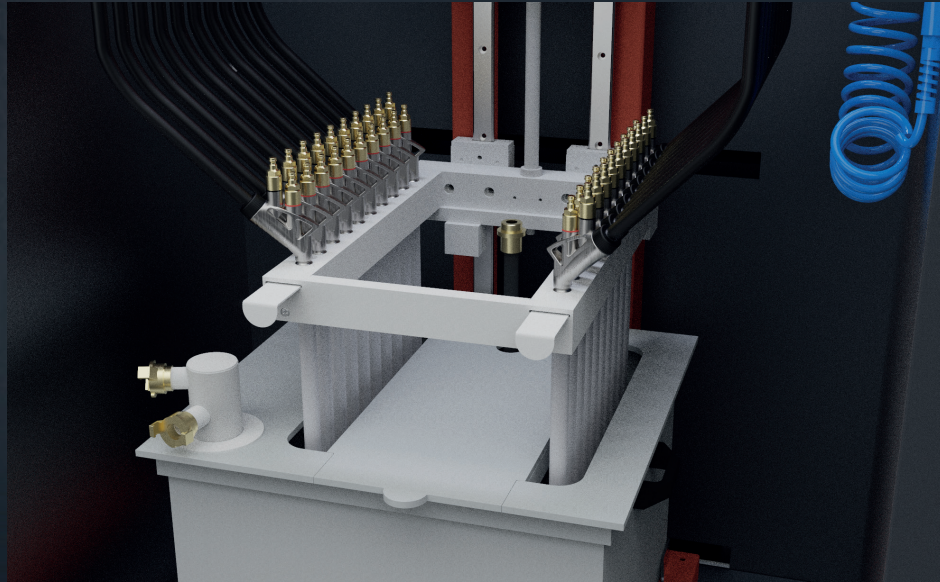
+ PM220-230
up to 20 injector - up to 30 injector



Check
Our
Product
Online



- + Simple and compact design
- + Quick Colour Change
- + User friendly interface
- + Semi Automatic Colour Change
- + Homogeneous Powder Flow
- + Excellent Coating Quality
- + Adjustable Air Suction Dampers



Compatible Equipment

E-BOOTH+3 Series



E-GUN+3 Series



E-FEED+3 Series



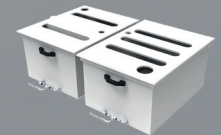
E-FEED+3 INJ Series



E-FEED+3 HD Series



Powder Tanks



Optional

E-FEED+3 PM3 Series

POWDER COATING DEVICES



Easy to
Clean



Quick Color
Change



Low Energy
Consumption



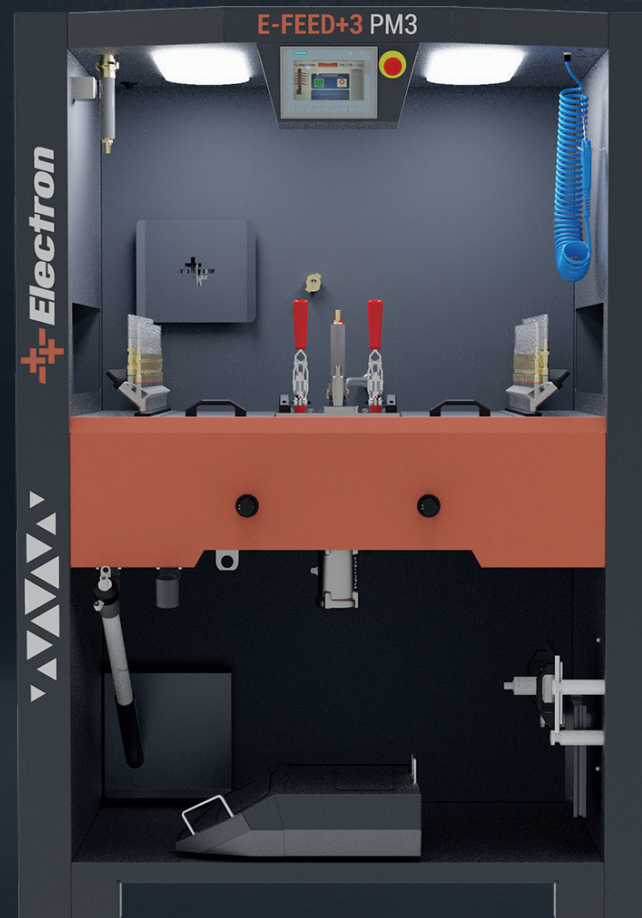
User
Friendly

E-FEED+3 PM3 Series powder coating center is the ultimate product in powder coating transfer. It has the fastest and most detailed cleaning feature of all powder coating stations. The user-friendly interface makes the system easy to use. It provides homogeneous powder distribution thanks to its efficient powder transfer system.

E-FEED+3 PM3 powder tank is completely isolated, allowing fast and effective color change without the need for user contact with the paint. It is used together with Electron Filter Groups as Exhaust System. Optimal solution for productions requiring medium frequency color changes.

+ **PM320**
up to 20 application pumps

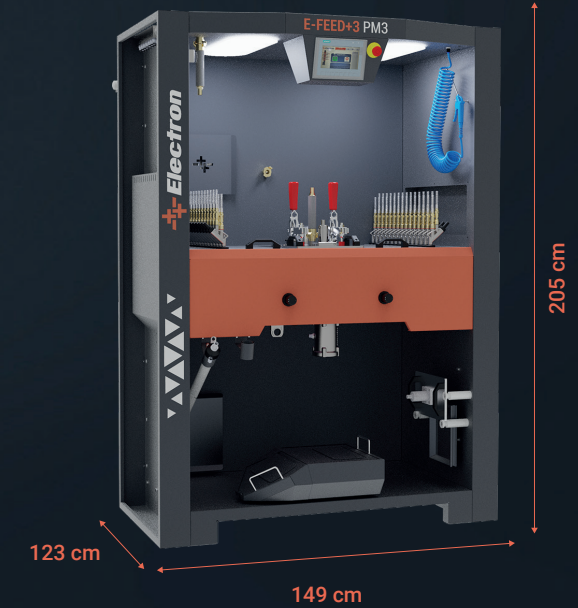
+ **PM330**
up to 30 injector



Check
Our
Product
Online



- + Simple and compact design
- + Quick Colour Change
- + User friendly interface
- + Fully Automatic Color Changing
- + Homogeneous Powder Flow
- + Excellent Coating Quality
- + Fully Isolated Paint Storage
- + Optional Ultrasonic Screen



Compatible Equipment

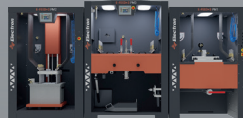
E-BOOTH+3 Series



E-GUN+3 Series



E-FEED+3 INJ Series



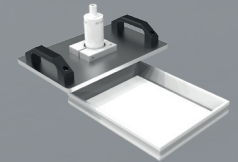
E-FEED+3 HD Series



E-FEED+AP3 Series



Ultrasonic Sieve



Optional

E-FEED+3 AP3

Application Pump

POWDER COATING APPLICATION PUMP



Quick Color
Change



High Transfer
Efficiency



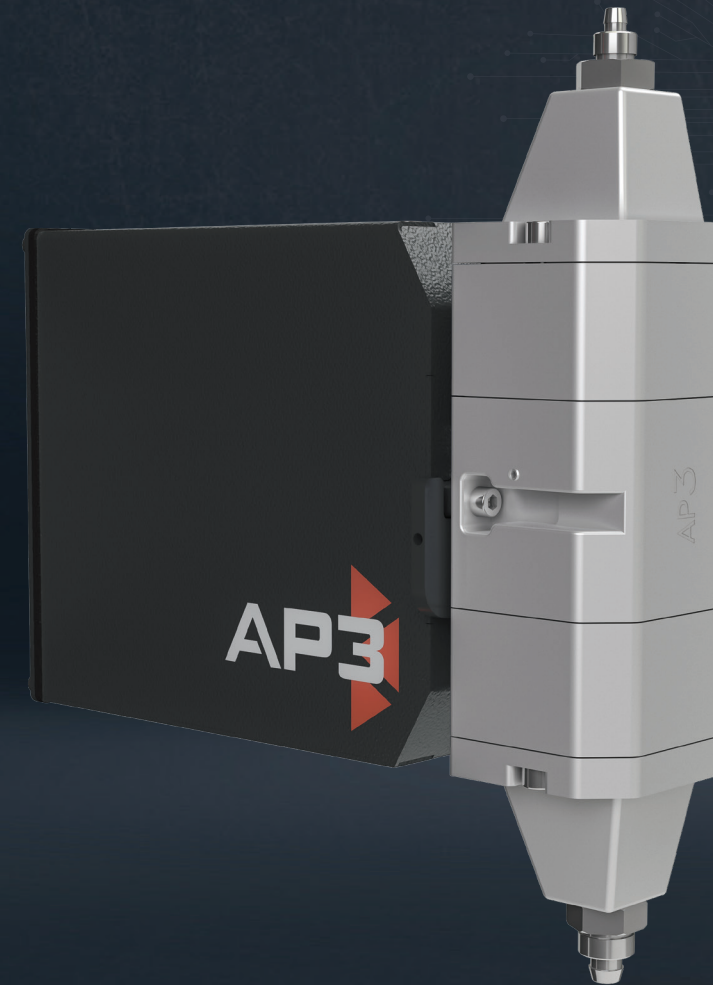
Dense Phase
Powder Transfer



TriFlow
Technology

Designed for industrial painting applications, the Powder Coating Pump delivers outstanding performance, durability, and efficiency, all thanks to its patented TriFlow Technology. Equipped with three separate suction and pressure chambers, this innovative system guarantees high efficiency and uninterrupted operation across all types of coating jobs. TriFlow Technology ensures top-quality finishes while speeding up production and cutting down costs.

- + Easy Maintenance
- + Powder Output up to 900 g/min with TriFlow Technology
- + Patented TriFlow Technology
- + Stable Performance Fixed Coating Thickness
- + Repeatable Coating Results
- + High Transfer Efficiency
- + Linear Dust Flow
- + ATEX II 3D Protection



Check
Our
Product
Online

E-FEED+3 HD Series

POWDER COATING APPLICATION PUMP



Smooth Inner
Surface



Fast Connection
Adapter



High Transfer
Efficiency



Easy
Maintenance

E-FEED+3 HD Series has a quick self-cleaning function that allows cleaning in a few seconds thanks to the smooth inner surface and the special material used.

The quick-connect design of the powder transfer unit to the unit body allows spare workpieces to be replaced without stopping the pump.

- + Transfer Pressure Adjustment
- + Vacuum Pressure Adjustment
- + 7.9 Kg/Min. Dust Transfer Capacity
- + Quick Spare Workpiece Replacement
- + Timer for Spare Workpiece Lifetime
- + Easy Process Control with "Control Manometer"
- + 2-Stage Pumping Frequency Selection
- + Optional Dust Level Sensor Connection
- + Transfer Feature in Both Directions (Up/Down, Down/Up)
- + Embossing Air Outlet
- + ATEX II 3D, IP54 Protection Class



Check
Our
Product
Online

E-FEED+3 INJ Series

The Electron E-FEED+3 INJ Series powder coating injector is suitable for both manual and automatic applications. Thanks to its angled structure, Electron 3rd generation powder coating injector provides 25% more powder transfer than right angle injectors and consumes 10% less air.

It offers an optimum coating solution thanks to homogeneous painting, energy efficiency and easy maintenance. With its patented filter structure, it ensures the application safety of the equipment to which it is connected.

- + High transfer efficiency thanks to its angled structure
- + Patented auxiliary air and paint air filtration system
- + Easy teflon bushing and nozzle replacement
- + High-durability Teflon bushing engineered for superior performance
- + Conductive powder coating adapter
- + Patented powder delivery system.



Check
Our
Product
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POWDER COATING INJECTOR



Patented Filter
Structure



Quick Color
Change



Low Energy
Consumption



Linear
Flow



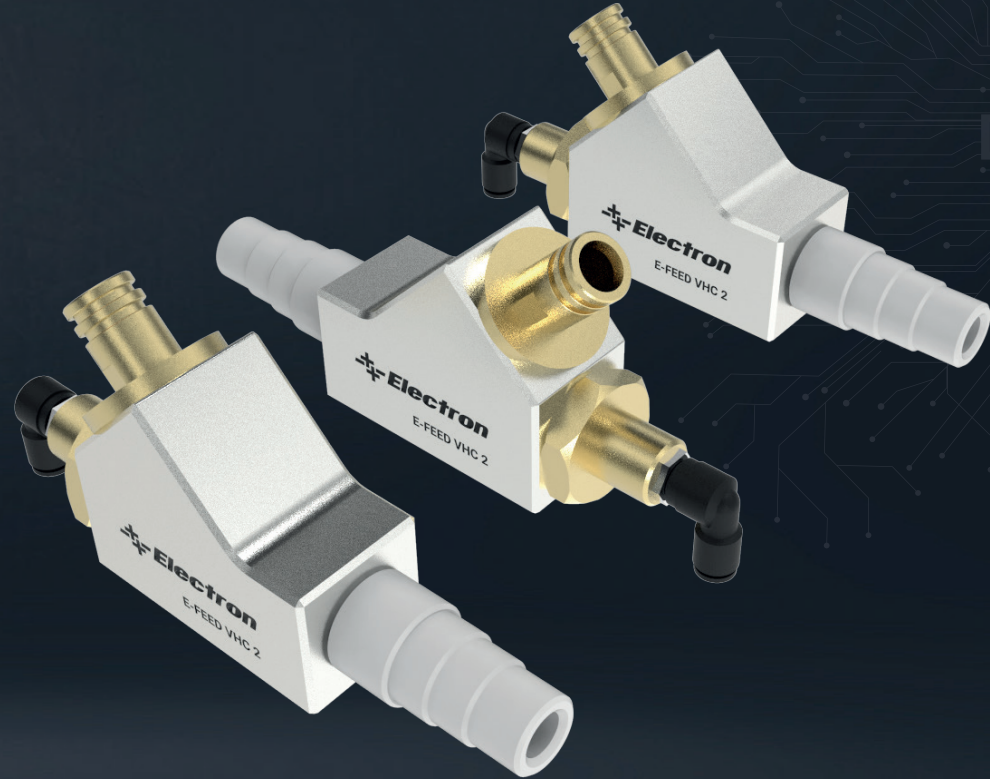
E-FEED+3 VHC2

POWDER COATING INJECTOR

The Electron E-FEED+3 VHC2 is important in terms of sustainability and is used for the transfer of recovered powder.

It enables the powder recovered from the cyclone bottom be transferred to the Powder Center, Powder Tank, etc. in a short time and quickly with its high transfer capacity. In addition, the product offers advantageous paint transfer solutions thanks to its easy maintenance.

- + High transfer capacity (up to 1000g/min)
- + Fast and effective powder coating transfer
- + Cost-Effective
- + Easy maintenance and advantageous operation



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E-FEED+3 MS Series

POWDER COATING DEVICES

E-FEED+3 MS Series is a new mobile system that sieves powder that is available in the user or delivered via a recovery system. This new design provides the user with an ergonomic working environment with its adjustable height.

Suitable for different sizes of boxes and hoses. It can work in several different modules according to user demand thanks to its different modules.

Additionally, it offers the flexibility to work with different modules according to the user's demands. It makes easier the use of different powders by adjusting the sieve micron spacing. Thanks to its unique design, the user can move the product to any point and save time and space.



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- + 110-220 volts operating capacity (European and American compatible)
- + Recycling module works with cyclone and paint center
- + Thanks to its smart design, it can be carried anywhere
- + Adjustable sieve height improves user ergonomics
- + Provides easy filling to boxes and tanks of different sizes
- + Adjustable sieve height at minimum and maximum level
- + Quick cleaning, the sieve or recycle module can be removed quickly during cleaning
- + Easy to adapt to different types of sieving sizes (mesh)



	E-FEED+3 MS with E-FEED+3 HD	E-FEED+3 MS Standard	E-FEED+3 MS Vibratory with Recovery Function
150/250/400/550/735/1040 Micron sieve *	+	+	+
Vibration Motor	+	+	+
Regeneration Module	+	-	+
E-FEED+3 HD Module	+	-	-

E-FEED+3 MS Series offers a user-friendly solution to sieve and prepare powder coating and provides flexibility to users with its mobile design.

* Please contact your sales representative for details.

E-FEED+3 BARREL Series

POWDER COATING DEVICES



Easy
Maintenance



Simple and
Compact Design



Continuous Powder
Coating Saving

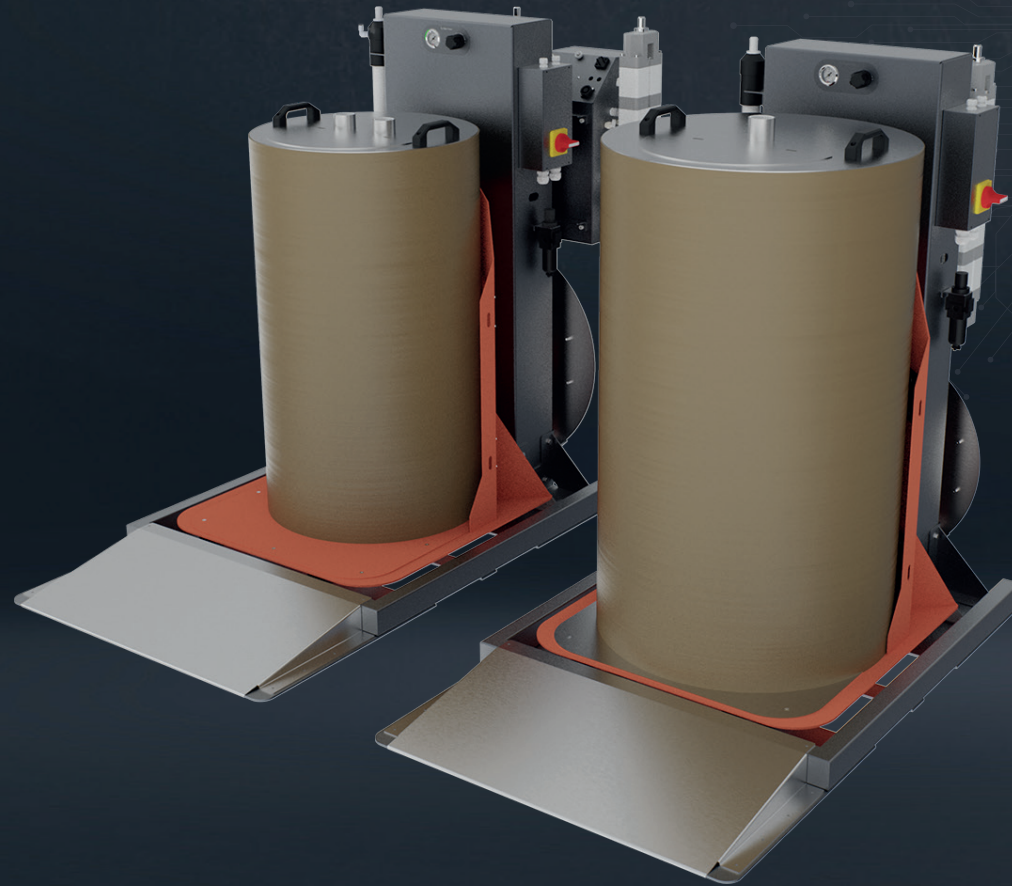


Linear
Flow

E-FEED+3 BARREL is a new system making powder coating applications easier by preventing continuous powder coating changes compatible with paint stations.

E-FEED+3 HD is used along with the application pump to pump powder paint to the powder coating center thanks to its flawlessly working system. Suitable for continuous powder coating with 100 and 200 kg barrel options. Designed for monochrome paint applications.

Additionally, with E-FEED+3 BARREL DUAL the same features can be doubled thanks to its double pump. Suitable for more applications with more powder spray guns.

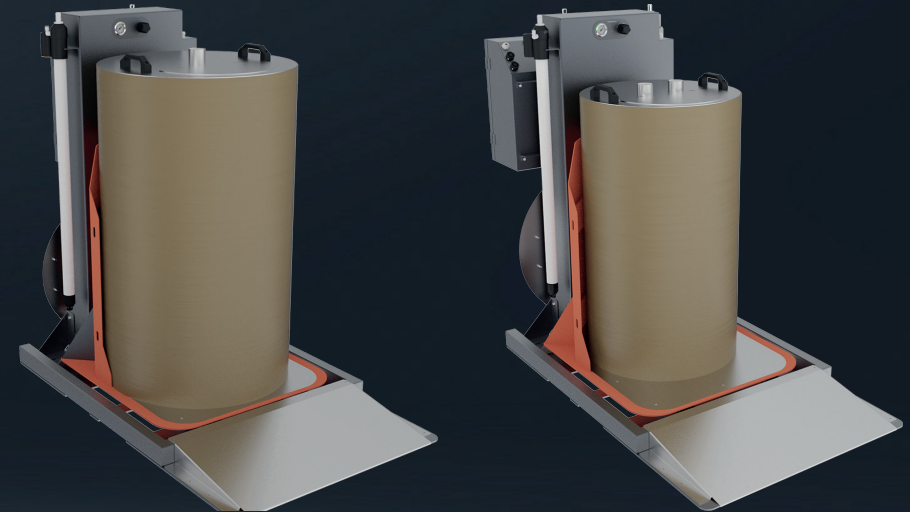
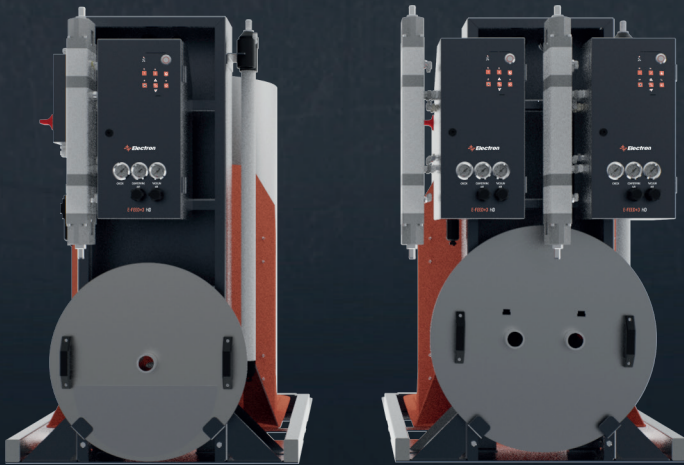


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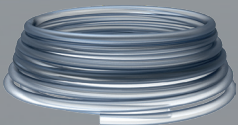
- + Pumps are self-cleaning with fast purge feature
- + High-capacity paint transfer
- + Ability to change the direction of paint transfer (print where it absorbs, absorb where it is imprinted)
- + Optional barrel of 100 and 200 kg capacity
- + E-FEED+3 BARREL provides a solution that makes powder coating processes more efficient and practical
- + It helps users perform powder coating applications more effectively by offering easy maintenance, high transfer efficiency and compact design advantages

E-FEED+3 HD Compatible



Accessories

Recovery Hose



Vibration Motor



E-FEED+3 BARREL | MONO

E-FEED+3 BARREL | DUAL

E-FEED+3 HD Pump	1 pcs.	2 pcs.
Vibration Motor	+	+
Recovery Hose	+	+
Static Powder Coating Hose	+	+
Fiber Barrel	+	+

E-GUN+3 Series

BULLSEYE THE QUALITY

E-GUN+3 Series Powder Coating Guns convert the signals sent from the control unit into static electrical energy and provide the unit with the necessary feedback signals.





BLUE
TOOTH
CONNECTION

120kV
THE WORLD'S
MOST
POWERFUL

LED
LIGHT

E-GUN+3 C1 Series

MANUAL POWDER COATING GUN

E-GUN+3 Series Powder Coating Guns convert the signals sent from the control unit into static electrical energy and provide the unit with the necessary feedback signals. Various products with high precision and efficiency can be covered thanks to different types of nozzles.



BLUE
TOOTH
CONNECTION

120kV
THE WORLD'S
MOST
POWERFUL

LED
LIGHT



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Built-in LED Lighting Technology for Quick Check of Workflow



Rapid Hose/Color Change Thanks to Hose Adapter



Voltage Folding System Providing Feedback Signals



Easy Cleaning with Special Design Electrode and Nozzle Types



Body Coated with Anti-Static Additive Conforming to Explosive Atmosphere Directives



ATEX Certified



Safe Working Conditions with Special PUR Sheathed Cable



Ability to Apply Different Types of Dust to Different Products with E-GUN+3 Corona Ion Collector and Angle Nozzle Options



Manual Types 495 Gr. Maximum User Comfort Even in Long-Term Applications with Its Weight and New Generation Ergonomic Structure



Patented Technology

E-GUN+3 C2 Series

MANUAL POWDER COATING GUN

E-GUN+3 C2 series provides the precision and efficiency you are looking for in manual powder coating guns. This gun, which converts the signals received from the control unit into static electrical energy, makes it possible to coat many products with different nozzles.

- + Effective feedback signals with voltage doubler system.
- + A safe body structure with anti-static material, complying with explosive atmosphere directives.
- + Special PUR sheathed cable offers increased security and durability.
- + Thanks to its weight of 495 grams and ergonomic design, it provides comfort even during long-term work.
- + Hose adapter is ideal for quick and practical hose or color changes.
- + Specially designed electrode and nozzle types that are easy to clean.
- + ATEX certification for compliance with safety standards.
- + Corona ion collector and angled nozzle options provide compatibility with various application needs.



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E-GUN+3 C3 Series

AUTOMATIC POWDER COATING GUN

E-GUN+3 New generation automatic powder guns are designed to work in harmony with improved powder paint control modules. It also exhibits high performance in paint disposal with both E-FEED+3 AP3 and E-FEED+3 INJ.

The aim is to provide the healthiest and highest quality results after the application by increasing the powder coating surface coating performance. E-GUN+3 C3 automatic gun product exhibits a more effective painting performance thanks to its shrinking volume and developed technology.

- + It provides control over static current and voltage through a feedback mechanism.
- + It ensures safe operating conditions with a special PUR-sheathed cable.
- + In E-GUN+3 C3, the weight of 700 grams is lighter compared to its predecessors.
- + Through the fast powder hose adapter, quick hose/ color change is enabled.
- + Easy cleaning with special design electrodes and a variety of nozzles.



Voltage Folding System Providing Feedback Signals



Body Coated with Anti-Static Additive Conforming to Explosive Atmosphere Directives



Easy Cleaning with Special Design Electrode and Nozzle Types



ATEX Certified



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E-ROBOT+3 Series

RULE THE SPEED

E-ROBOT+3 Series ensures that you always get the same quality, fast and precise painted products. It increases production efficiency and saves energy and paint.





E-ROBOT+3 Z Series

POWDER COATING DEVICES



Easy Operation



Superior Durability



High Efficiency

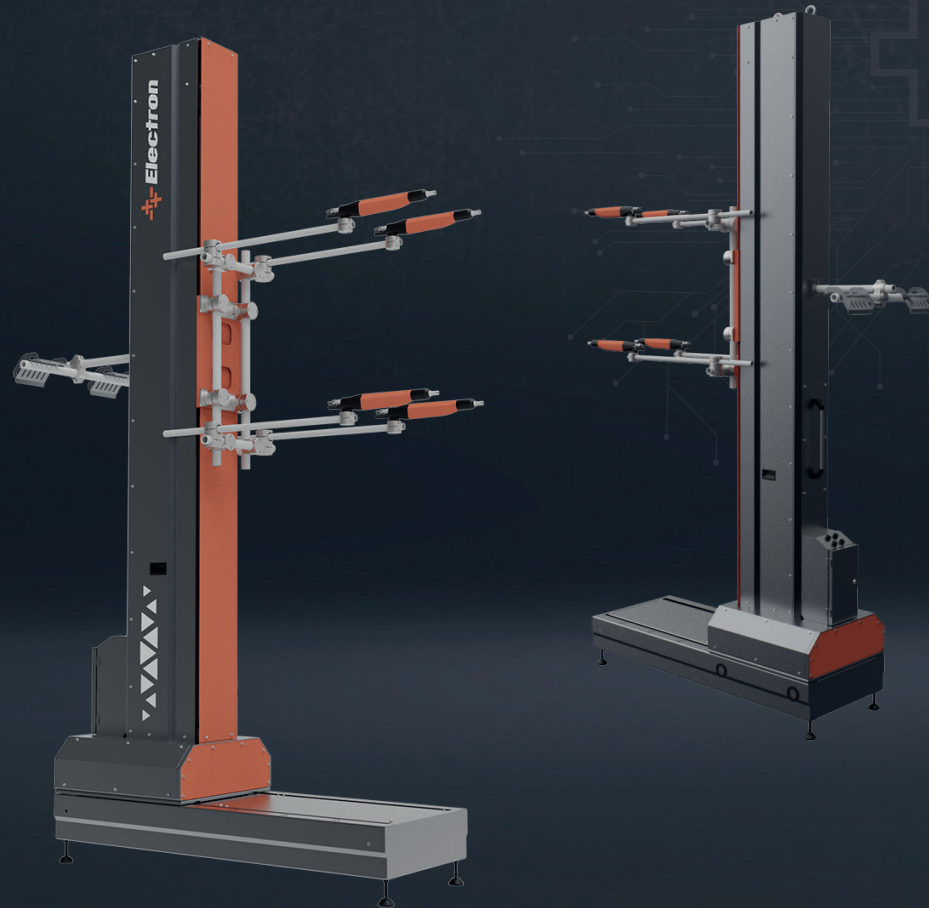


Long Lasting

E-ROBOT+3 Z is a vertical axis coating robot designed for your automatic guns. This robot performs high-efficiency painting by providing precise vertical movement at the specified speed and rotational acceleration.

With its smart mechanism and asynchronous motor, it offers excellent repeatability even under challenging conditions. Thanks to its timing belt design, it provides long-lasting use and easy maintenance advantages.

- + Reliable and precise motion control
- + Stroke lengths ranging from 1200-2700 mm
- + Flexible operating modes with Oscillation and Position modes
- + User-friendly interface for remote speed, stroke and acceleration adjustment
- + Precise movement for smooth and homogeneous painting
- + Perfect balance with counterweight
- + E-SENSE+3 compatibility
- + Load capacity up to 50 kg



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E-ROBOT+3 X Series

POWDER COATING DEVICES



Easy Operation



Superior Durability



High Efficiency

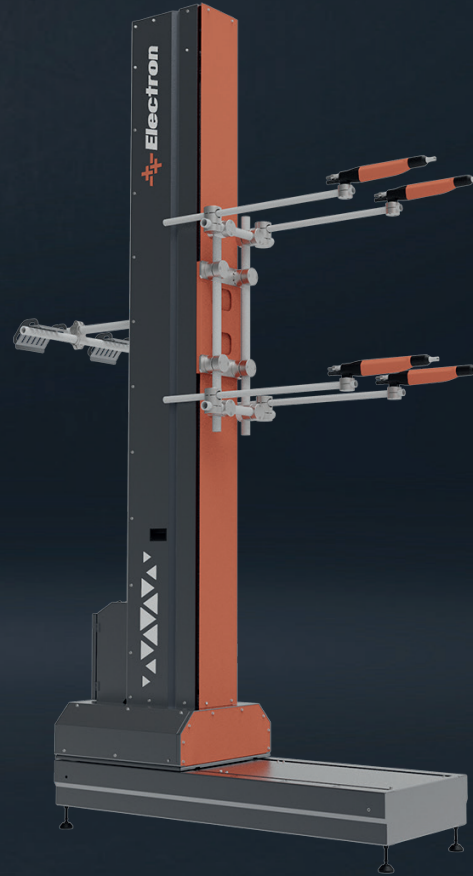


Long Lasting



E-ROBOT+3 X is a horizontal axis coating robot developed for your automatic guns. This robot performs forward and backward movements precisely and efficiently, demonstrating superior performance even under difficult conditions such as sudden speed changes and high torque requirements. Its timing belt and special chassis design offers long-lasting use and easy maintenance.

- + Reliable and precise motion control
- + Stroke lengths varying between 1000-1500 mm
- + Flexible operating modes with Oscillation and Position modes
- + User-friendly interface for remote speed, stroke and acceleration adjustment
- + Precise movement for smooth and homogeneous painting
- + Perfect balance with counterweight
- + E-SENSE+3 compatibility
- + Load capacity up to 50 kg



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E-ROBOT+3 3D Series

POWDER COATING DEVICES



High-Precision
Operation



Up to 8 Guns
Max. Capacity



Timing Belt
System

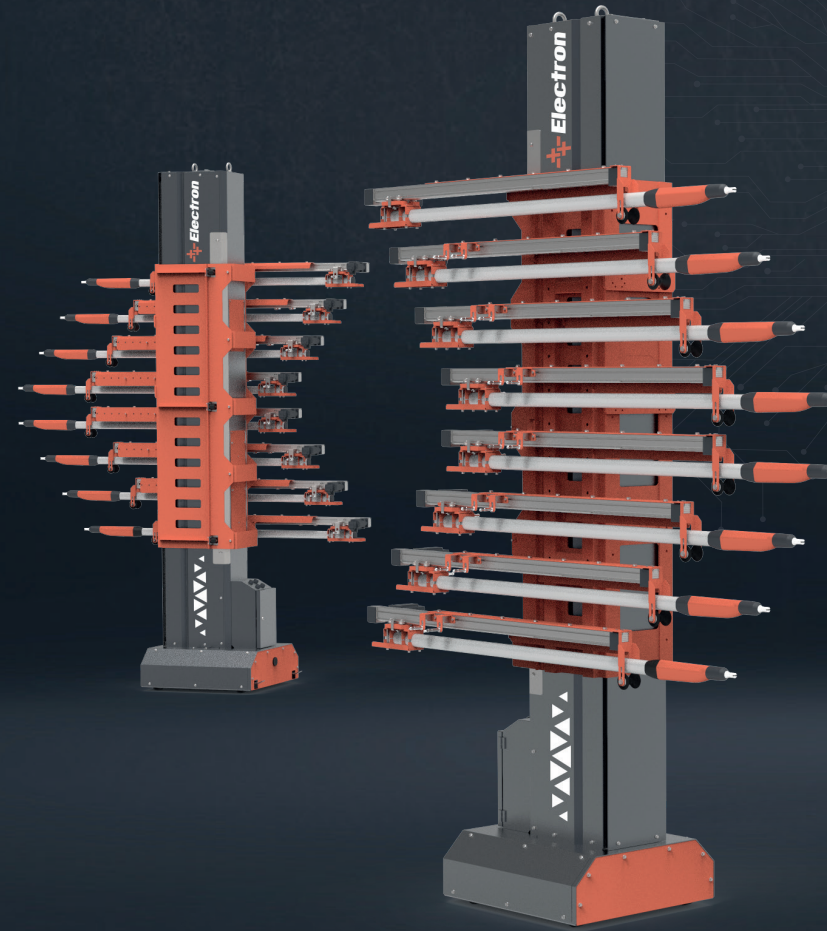


Long Lasting

E-ROBOT+3 3D is a vertical axis painting robot integrated with a high-tech contour detection system.

This robot performs precise vertical movements according to the data provided by the E-SENSE+3 part detection system and works integrated with E-ROBOT+3 AXIS independent gun systems. It offers low maintenance requirements along with high carrying capacity, precise position and speed control features.

- + Space-saving slim column design
- + 130 mm vertical gun spacing optimizes coverage areas
- + Integrated serial communication technology for performance monitoring and feedback
- + Up to 14 kg payload capacity for each independent axis
- + E-ROBOT+3 3D coating robot optimizes your production processes by reducing operational complexity while increasing the efficiency and quality of your automatic coating systems



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E-ROBOT+3 AXIS Series

POWDER COATING DEVICES



Easy Operation



Superior Durability



High Efficiency



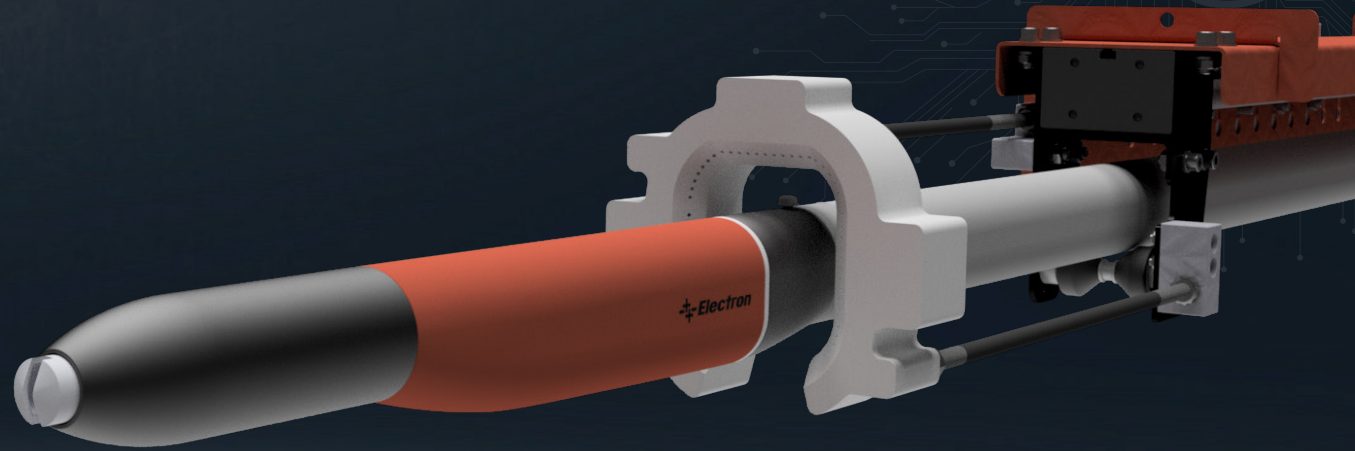
Long Lasting



E-ROBOT+3 AXIS is a single gun movement system designed for parts with complex geometries that require high precision and homogeneous coating quality in the painting process.

It is equipped with a high-tech servo motor and timing belt movement mechanism, which gives its system smooth and repeatable movement capability.

- + Motion system designed for smooth inner surface and linear flow
- + Precise servo control at variable speeds
- + Perfect coating processes with high repeatability
- + E-AXIS+3 integration for up to a maximum of 8 guns
- + Quiet and smooth operation with toothed belt
- + Ability to work effectively in long and short strokes



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E-SENSE+3 Series

POWDER COATING DEVICES



High
Precision



Auto
Sensing



High
Repeatability

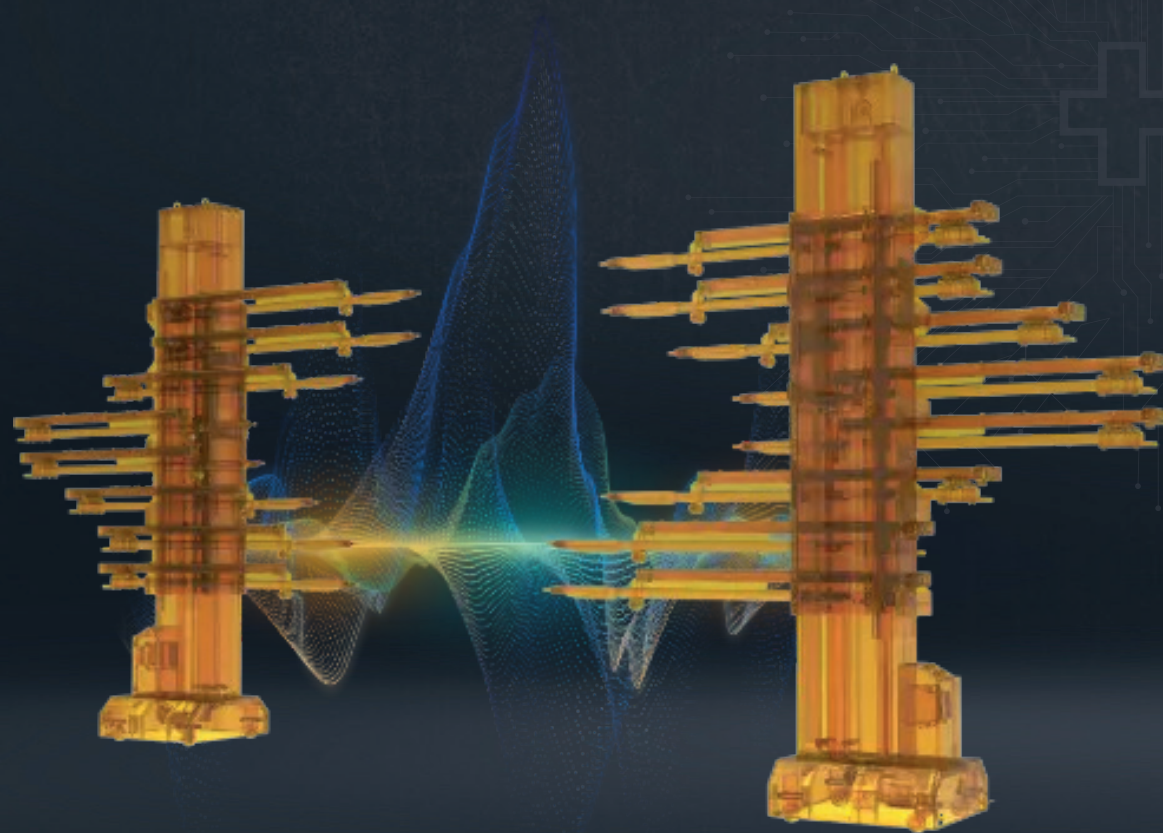


Data
Collection

Product recognition sensors for paint booths. Thanks to the sensors; a homogeneous powder coating is obtained on the surfaces. At the same time, dust is saved and the amount of excess spray is reduced.

The manual coating process is reduced and efficient powder coating of complex workpieces is achieved.

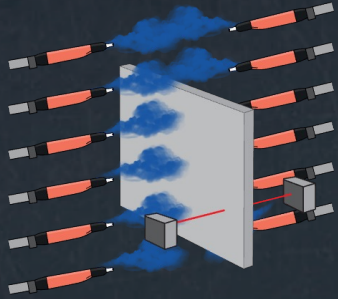
- + **E-SENSE+3 BASIC**
Gap Detection System
- + **E-SENSE+3 1D**
Vertical Part Detection System
- + **E-SENSE+3 2D**
Full Part Detection System
- + **E-SENSE+3 3D**
Dynamic Contour Detection System



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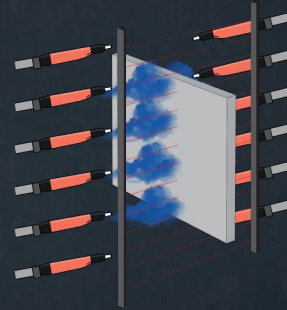


E-SENSE+3 BASIC



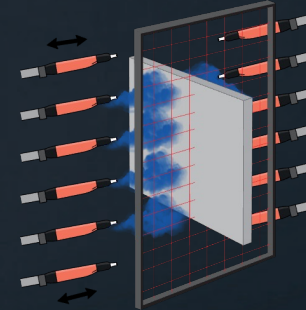
- + Detecting part gaps
- + Simultaneous closing and opening of all guns in the gaps

E-SENSE+3 1D



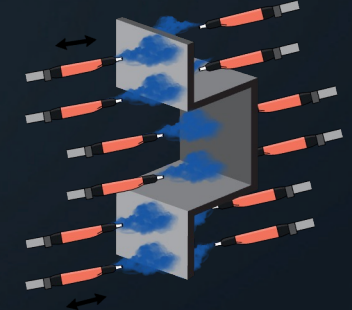
- + Detecting workpiece gaps
- + Automatic measurement of workpiece height
Automatic closing of non-essential guns according to workpiece height

E-SENSE+3 2D



- + Detecting workpiece gaps
- + Automatic measurement of workpiece height and width
- + Automatic closing of non-essential guns according to workpiece height
- + Automatic adjustment of the painting distance of all guns on each side according to the workpiece width

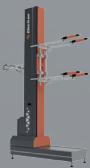
E-SENSE+3 3D



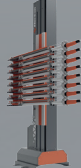
- + Detailed detection of part gaps.
- + Detailed measurements of the height and width of the part
- + Automatic closing of non-essential guns according to workpiece height
- + Automatic gun positioning in accordance with the detected workpiece geometry thanks to the information on the workpiece surface map
- + Homogeneous powder thickness even on the most complex workpieces thanks to the independent gun distance feature
- + Independent gun distance adjustment for homogeneous coating of complex parts
- + E-SENSE+3 series is a critical investment to increase precision, quality and efficiency in powder coating processes and significantly improves the level of automation of powder coating processes.

Compatible Equipment

E-ROBOT+3 Z-X Series



E-ROBOT+3 3D Series



E-ROBOT+3 AXIS Series



E-CONTROL+3 **SERIES**

The E-CONTROL+3 Series basically allows two separate systems to coexist (electrical and pneumatic) and be controlled.





E-CONTROL+3 Series

POWDER COATING DEVICES

It basically allows two separate systems to be combined (electrical and pneumatic) and controlled. In addition, it is a product system that enables the assembly and control the powder coating device module and the robot control module on a single panel. Automation-system and automation-systemless options are available.

There are three different types of ten, fifteen and four modules. It provides the opportunity to work compatible with E-SENSE+3 track reading systems. It is an important and necessary part of powder coating systems.



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E-CONTROL+3 Smart System Control Panel

- + Automatic start and stop feature
- + Temperature monitoring graphs
- + Remote access capability based on TCP/IP
- + Weekly programmable operation feature
- + Recording of equipment and operating hours
- + Custom-developed scenarios tailored to specific needs

- + Ability to adjust the powder coating transfer rate of recovery-type equipment via a regulator
- + Fluidizing air control for products like the powder center and powder hopper
- + Instant and rapid fluidization of powder loaded into products like the powder center and hopper using the Boost feature

E-COAT+3 10C-15C

- + Fewer electrical components in the control panel
- + Main equipment switch
- + Option to operate in automatic or manual mode synchronized with the conveyor, using a key-locked locking system
- + Group-based on/off function for control modules with Group 1 and Group 2 switches
- + Low powder level warning with mute option, triggered by the signal from the level sensor
- + Control of devices such as the vibration motor or powder pump via adjustable time relays
- + Inlet pressure indicator

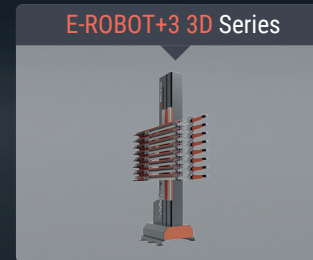


E-CONTROL+3 10C
Device Cabinet W/10 Slots



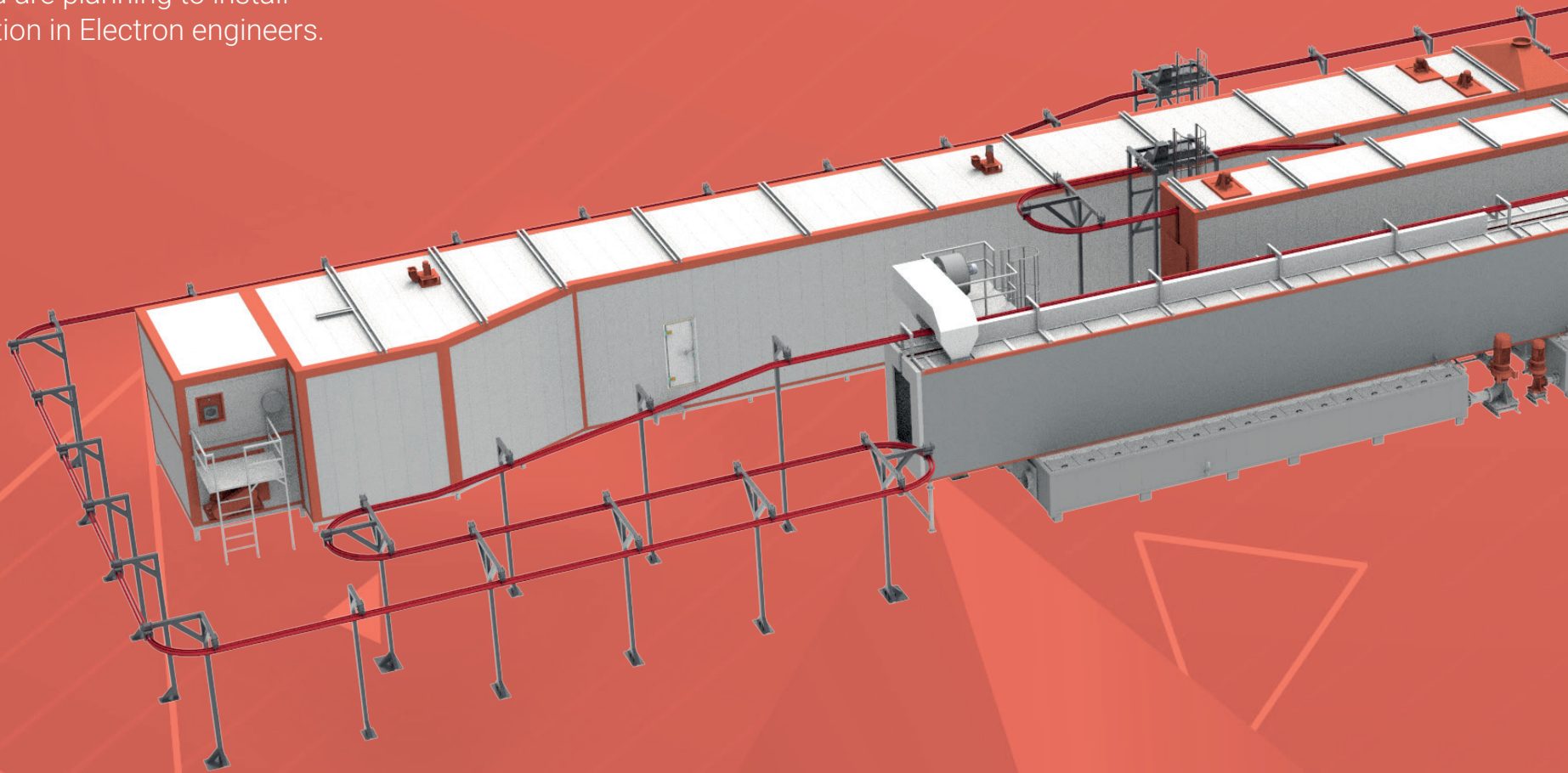
E-CONTROL+3 15C
Device Cabinet W/15 Slots

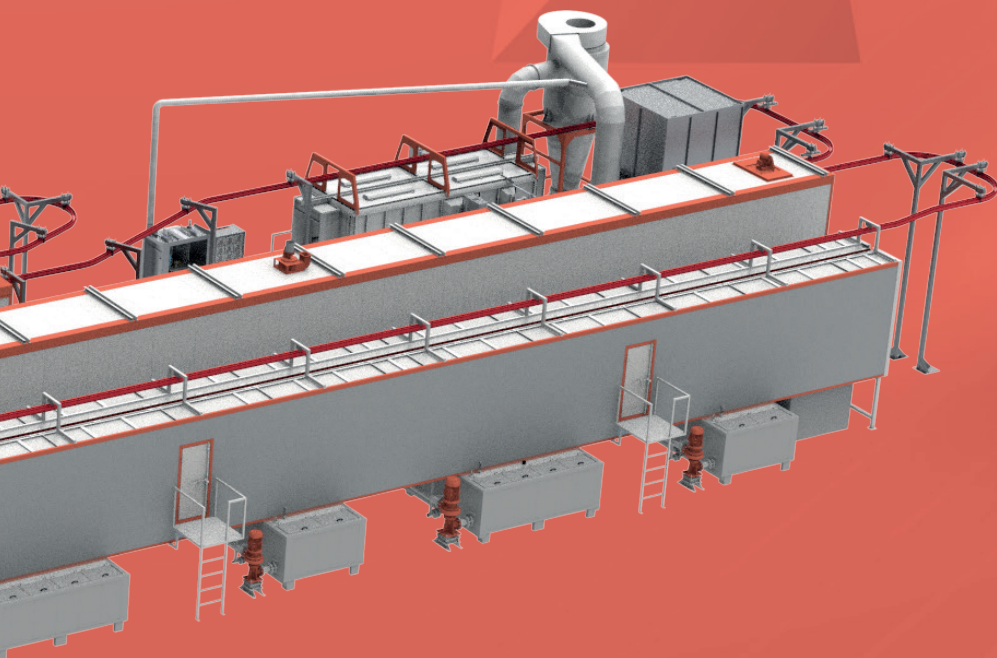
Compatible Equipment



COATING SYSTEMS

No matter how challenging the powder coating systems you are planning to install are, you have a solution in Electron engineers.





Pretreatment Systems 62

Drying & Curing Ovens 63

Powder Coating Application Booths 64

Liquid Painting Application Booths 65

Conveyor Systems 66

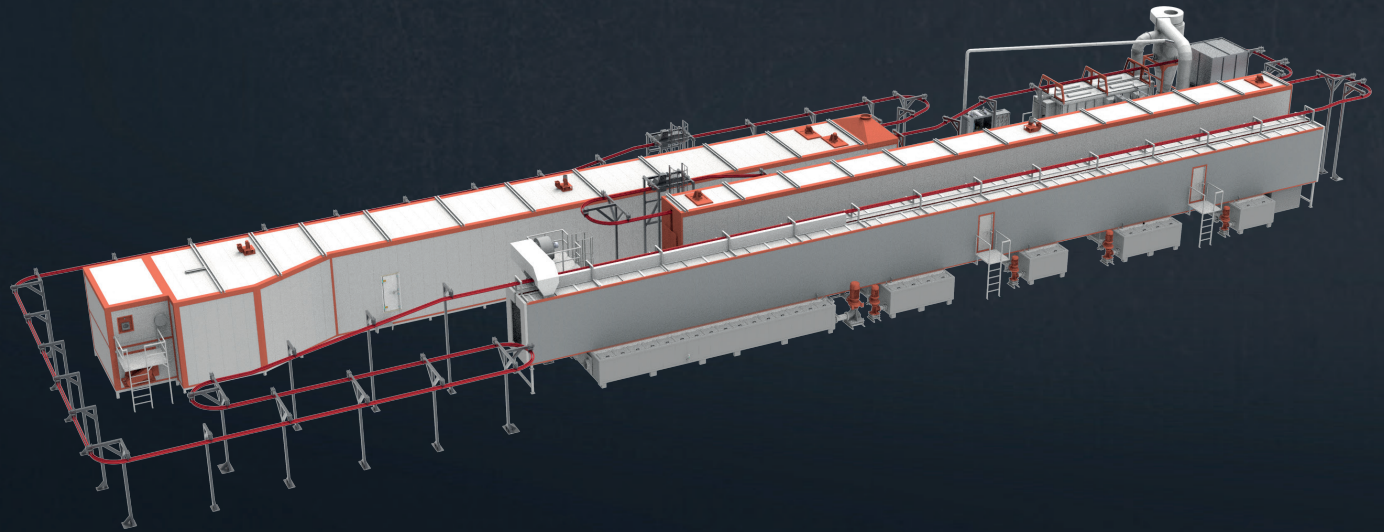
Cataphoresis Systems 67

PRETREATMENT Systems

COATING SYSTEMS

Surface Cleaning Systems play a critical role in the success of coating operations. Correct surface preparation significantly affects the adherence and protective properties of the coating. These systems effectively perform the degreasing, etching and phosphating processes required to prepare the parts for painting processes.

- + **Minimum Chemical and Water Consumption:** Environmentally friendly operations and reducing operating costs.
- + **Maximum Energy Saving and High Efficiency:** Energy efficiency with advanced technology heating and insulation systems.
- + **Modern Security Applications:** Safe working environment in compliance with CE standards.
- + **Tailored Solutions:** Customizable design and functionality to suit each customer's specific needs.
- + Our surface cleaning systems offer high-performance and reliable solutions, where every detail is carefully designed by the technical team. Each project is developed specifically taking into account the customer's production conditions and needs, thus ensuring optimal results.



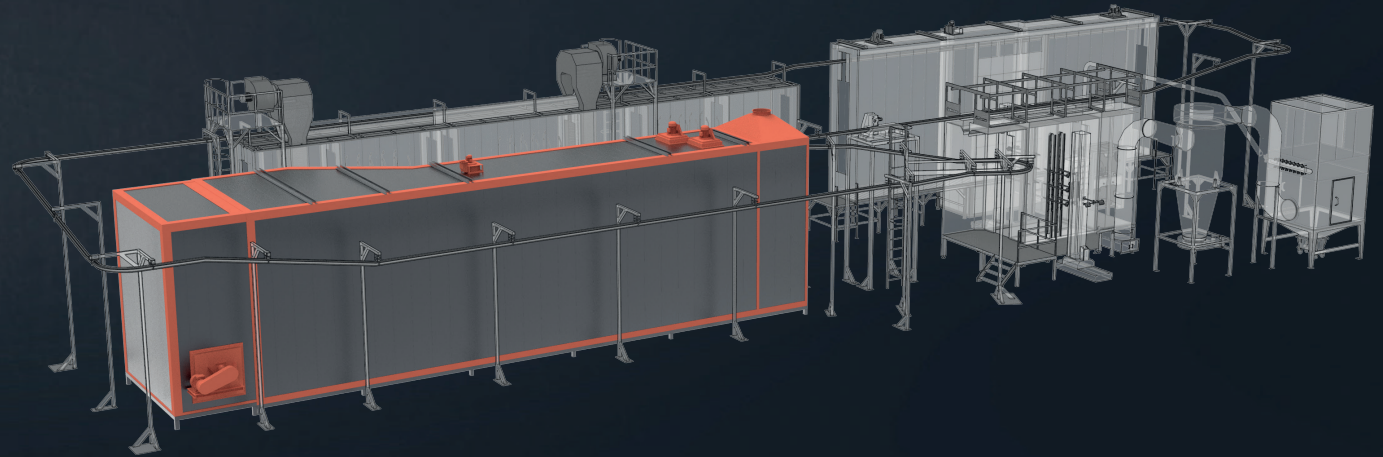
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DRYING AND CURING Ovens

COATING SYSTEMS



Drying and Curing Ovens are one of the most important stages in the coating processes. It is used to dry or cure the powder or coating on the processed parts at the desired temperature and time. This process directly affects the durability, adherence and surface quality of the coating.



- + **Band Ovens:** It is ideal for continuous operations and is often used in mass production lines.
- + **Box Type Ovens:** Available in adjustable sizes suitable for parts of different sizes.
- + **Dipping Type Oven:** It is especially preferred in heat treatment processes of metal parts.
- + **Tunnel Type & U-Turn Continuous Ovens:** Space-saving designs for long, narrow passages.
- + **Step Oven:** It allows temperature adjustment at different stages and is suitable for special processes.
- + **IR Ovens:** It provides fast and effective drying using short wave infrared heaters.
- + **High Temperature Non-Stick Baking Ovens:** It is designed specifically for non-stick coatings and can operate at temperatures between 300°C and 600°C.



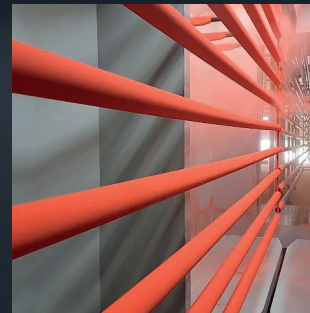
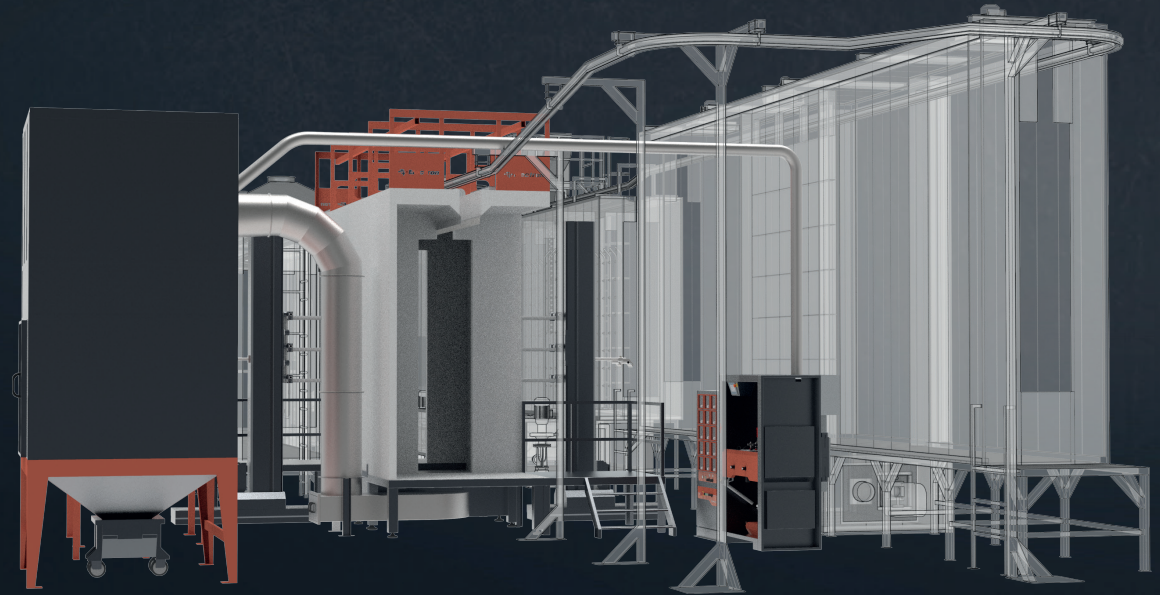
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POWDER COATING APPLICATION Systems

COATING SYSTEMS

Powder Coating Booths are vital for powder applications in production processes. The aim is to protect human health and maximize powder savings. Ergonomic designs and demountable structures provide easy installation and maintenance.

- + **Maximum Energy Saving:** Advanced technology insulation and energy efficient designs.
- + **Emission Levels Compliant with CE Standards:** Environmentally friendly operations.
- + **Fast Color Change:** Flexibility and time savings in production processes.
- + **High Powder Retention Percentage:** Minimum powder loss and high quality coating.
- + **Sound Insulation Compliant with CE Standards:** Increases the comfort of the working environment.
- + Each powder coating booth model is designed to increase efficiency and quality in industrial coating processes, ensuring excellent results in your production processes.



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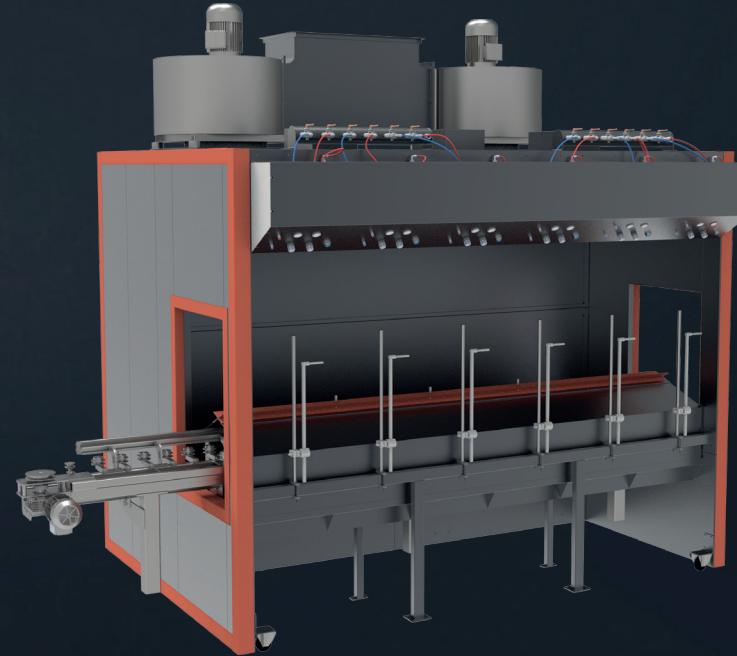
LIQUID PAINTING APPLICATION Booths

COATING SYSTEMS



Liquid Painting Application Booths have a wide range of applications and are designed to work compatible with various paints. These booths create the necessary environment to ensure efficient and high-quality painting of parts.

- + **Heating and Cooling Options:** Heat control to ensure ideal painting temperature and fast drying processes.
- + **High Ratio Paint Retention and Separation:** It prevents paint waste and provides clean air emissions with effective filtration systems.
- + **Maximum Energy Saving:** Insulation and energy-saving equipment that contributes to energy efficiency.
- + **Emission Amounts Compliant with CE Standards:** Environmentally friendly operations in line with European standards.
- + Liquid paint applications booths are suitable for non-stick and ceramic paints, especially solvent-based and water-based paints, primers, topcoats and special applications. When combined with modules such as flash-off chamber, positive pressure chamber and curing oven, complete systems are created to suit customers' needs. These systems increase the efficiency and product quality of businesses while also helping to reduce operating costs.



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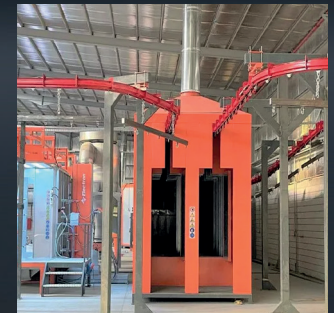
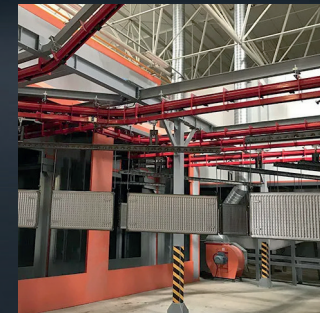
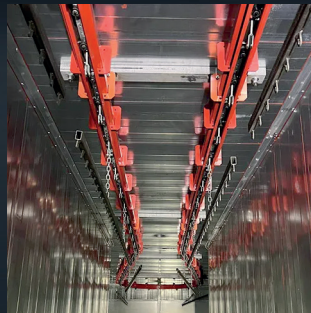
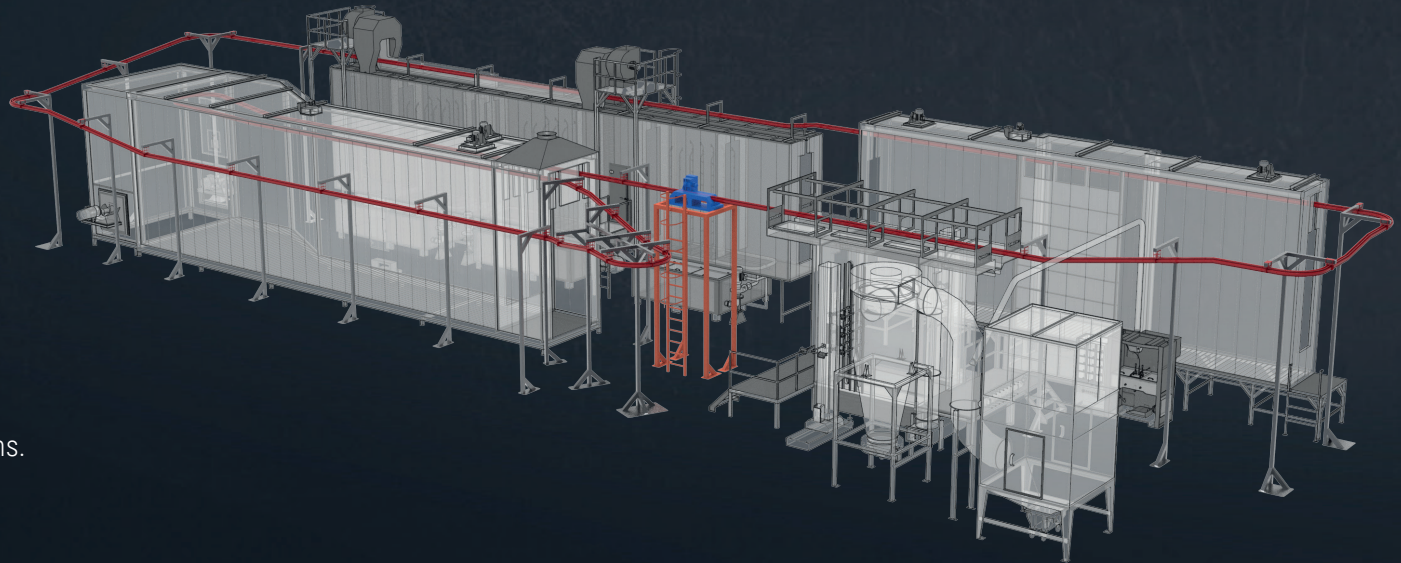
CONVEYOR Systems

COATING SYSTEMS

Conveyor Systems are one of the most important components used in the facilities. Webb, Cardan, Power & Free, and Busbar Transfer conveyor systems carry the painted components many kilometers annually and have an important task.

Heavy workpieces are transported by Webb type conveyor consisting of long life bearings and steel cast chains. It has a large carrying capacity between 120 kg and 2 tons.

- + Contains long-lasting bearings and strong cast steel chains.
- + Provides solutions suitable for modern production requirements with different automation options.
- + It minimizes the need for maintenance with its automatic lubrication features.
- + Customizable design and functionality to suit each customer's specific needs.
- + These conveyor systems are designed for long-term and trouble-free operation while increasing the efficiency and safety of production processes in facilities. High-quality components and customizable features enable these systems to adapt to any production environment and provide optimum performance.



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CATAPHORESIS Systems

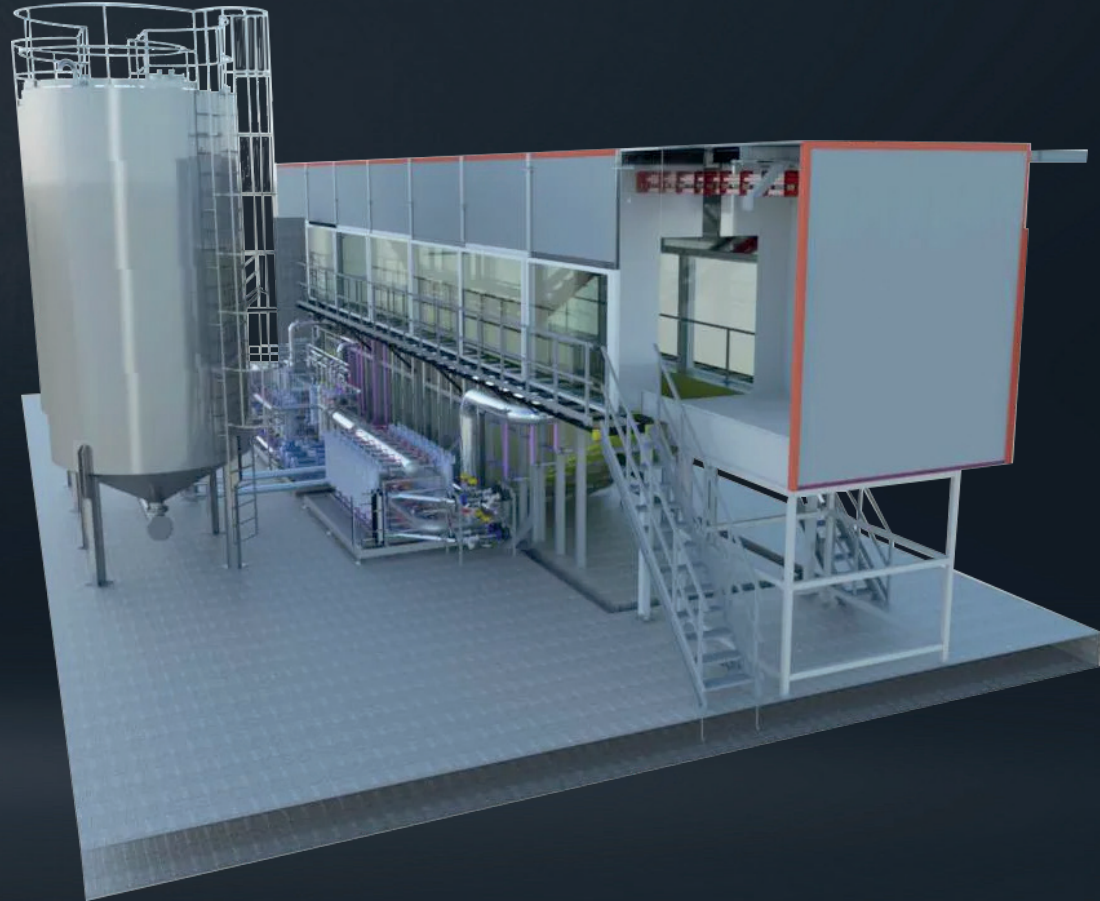
COATING SYSTEMS



Special coating method aiming to provide high corrosion resistance. This method is widely used especially in the automotive and heavy machinery industries. Generally applied as a primer before powder or wet paint, using electrical potential difference in surface adhesion.

The process begins by cleaning the surface of any dirt, oil, oxide layer or other foreign matter. Cleaned materials are immersed in an electrically charged cataphoresis bath using conveyor systems or vertical movement mechanisms. In this bath, thanks to the applied electrical potential difference, the paint particles are attracted to the surface of the material and form a tight bond.

Similar to the other coating systems, Cataphoresis Systems are specially designed according to the needs and expectations of our customers.



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