

E-ROBOT+3 Z Series

POWDER COATING DEVICES



Easy Operation



Superior Durability



High Efficiency

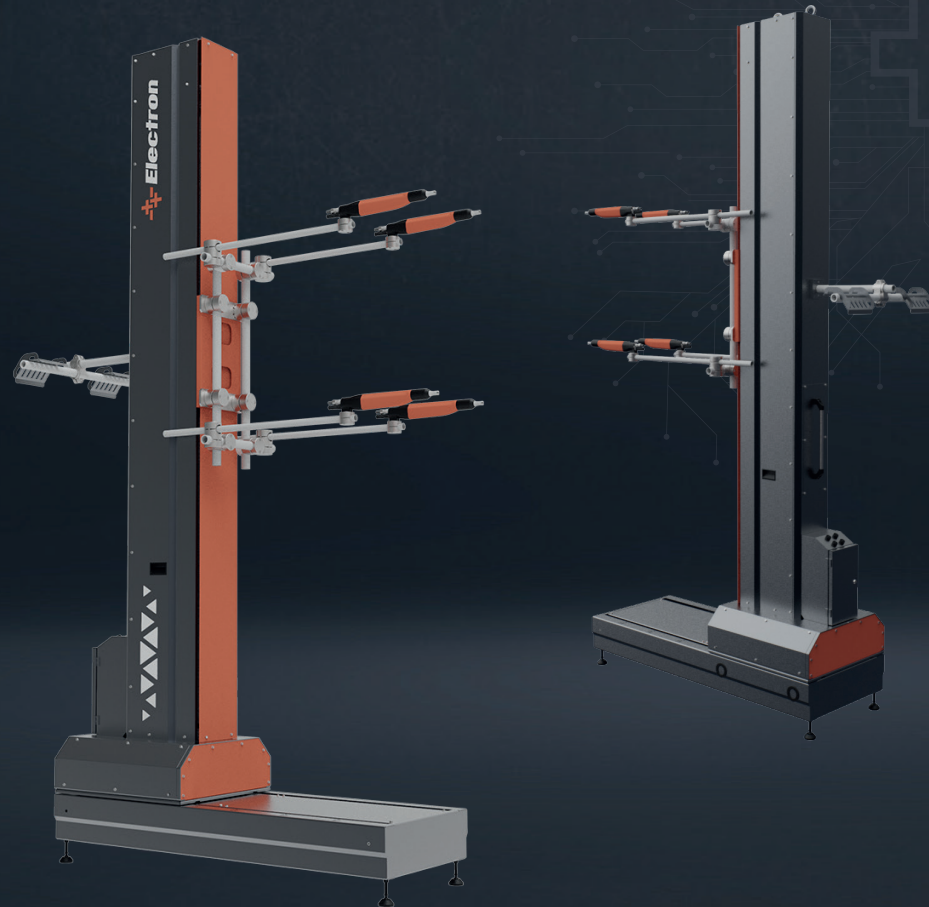


Long Lasting

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

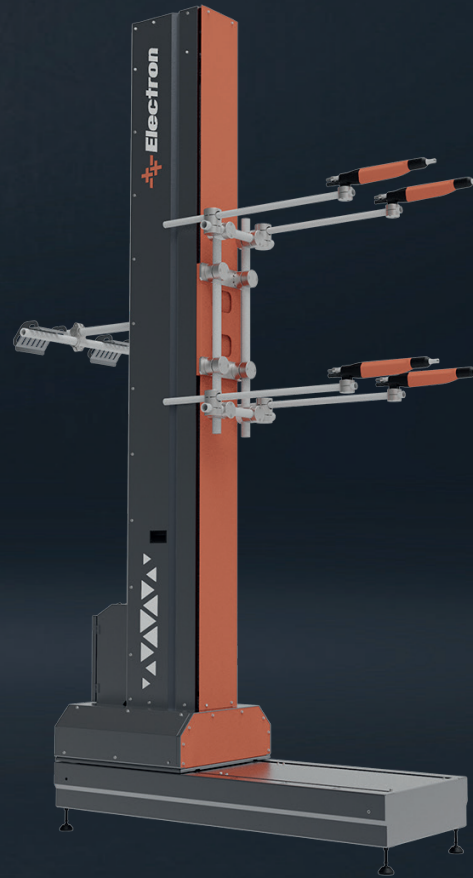


Long Lasting



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

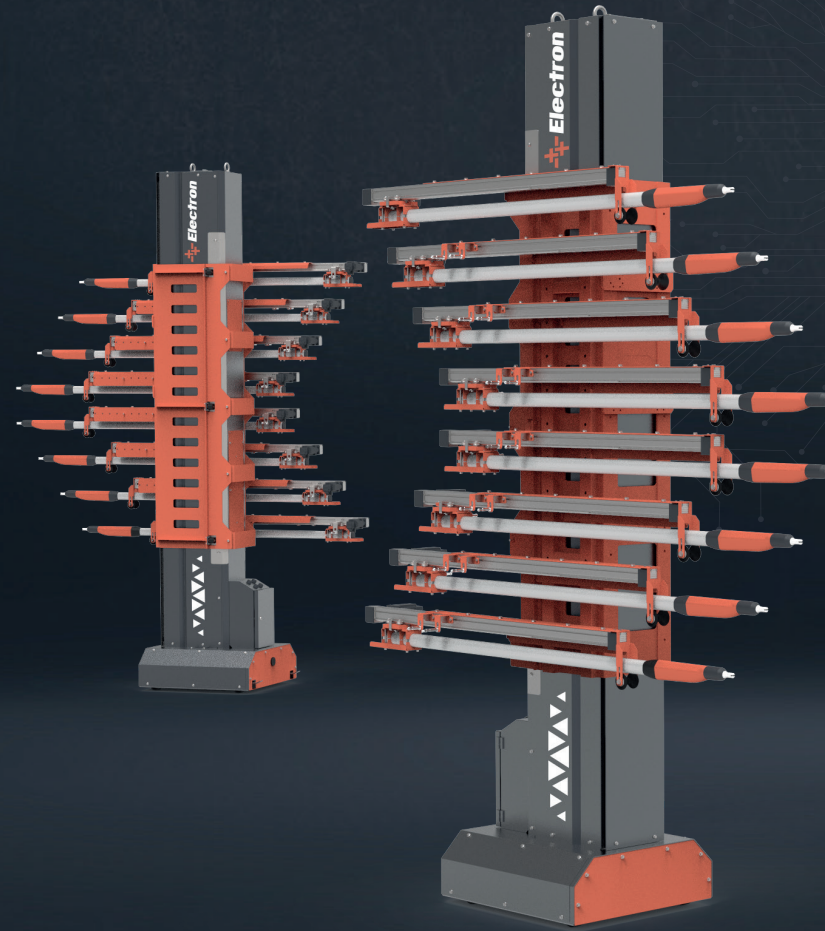


Long Lasting

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



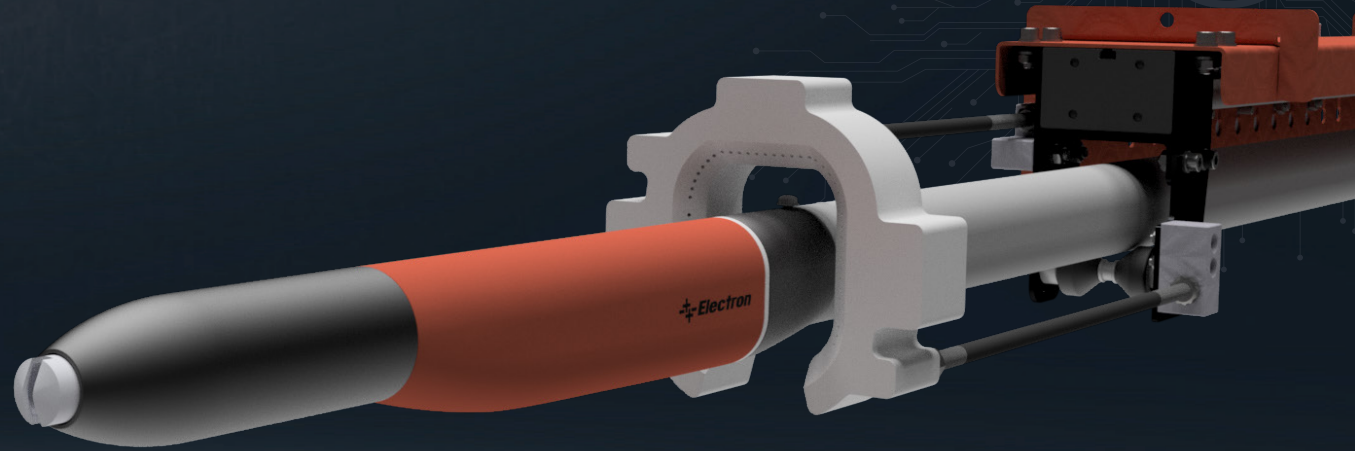
Long Lasting



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

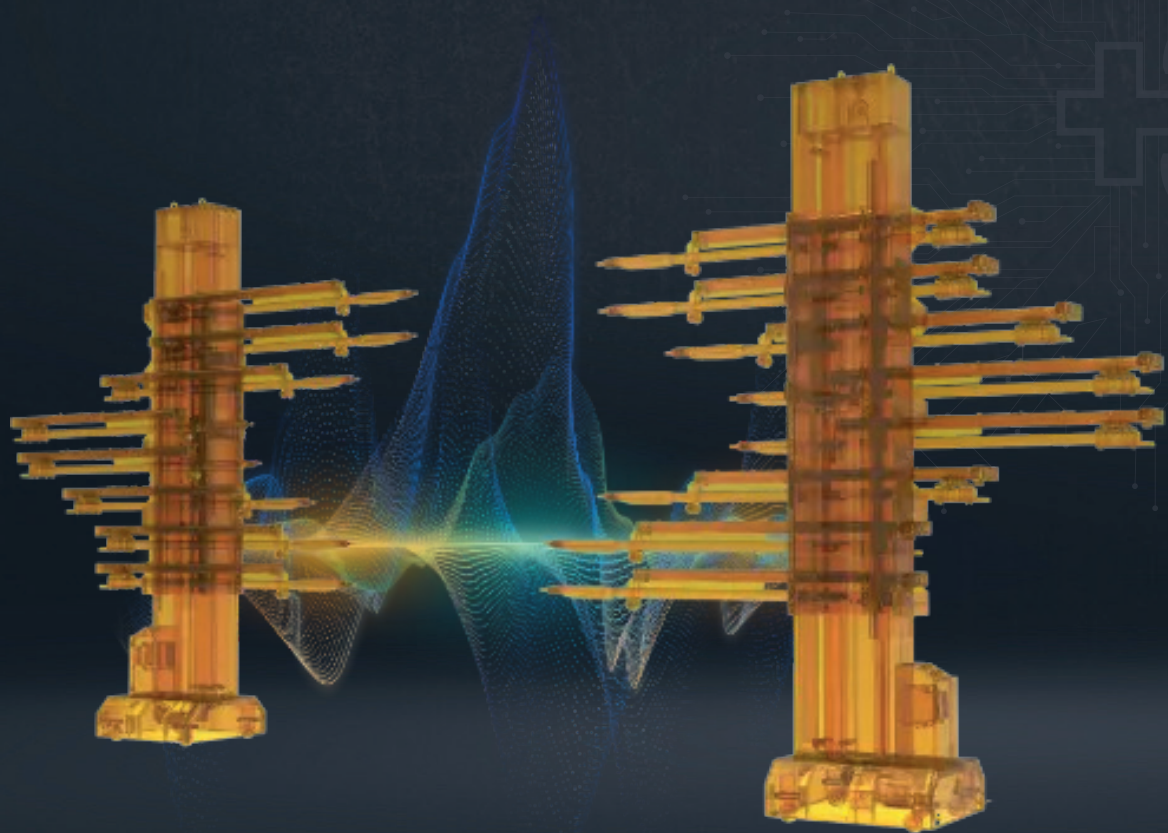


Data
Collection

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.

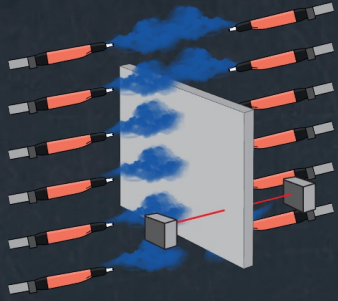
- + **E-SENSE+3 BASIC**
Gap Detection System
- + **E-SENSE+3 1D**
Vertical Part Detection System
- + **E-SENSE+3 2D**
Full Part Detection System
- + **E-SENSE+3 3D**
Dynamic Contour Detection System



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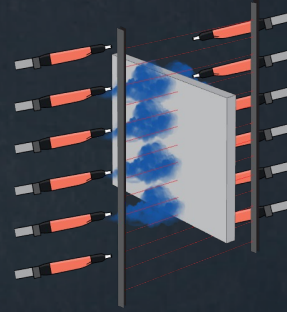


E-SENSE+3 BASIC



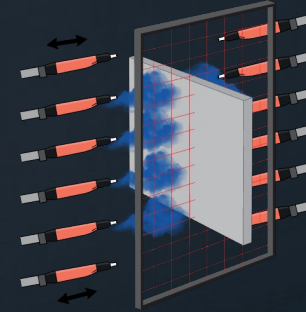
- + Detecting part gaps
- + Simultaneous closing and opening of all guns in the gaps

E-SENSE+3 1D



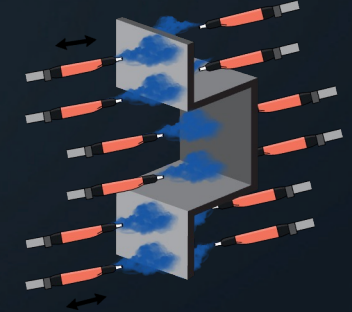
- + Detecting workpiece gaps
- + Automatic measurement of workpiece height
Automatic closing of non-essential guns according to workpiece height

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

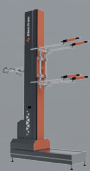
E-SENSE+3 3D



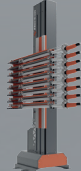
- + Detailed detection of part gaps.
- + Detailed measurements of the height and width of the part
- + Automatic closing of non-essential guns according to workpiece height
- + Automatic gun positioning in accordance with the detected workpiece geometry thanks to the information on the workpiece surface 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

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

