

PaintGo

INTELLIGENT SPRAY PAINTING ROBOT

PG-98E max

WUHAN ONEW TECHNOLOGY CO.,LTD.

2026/4

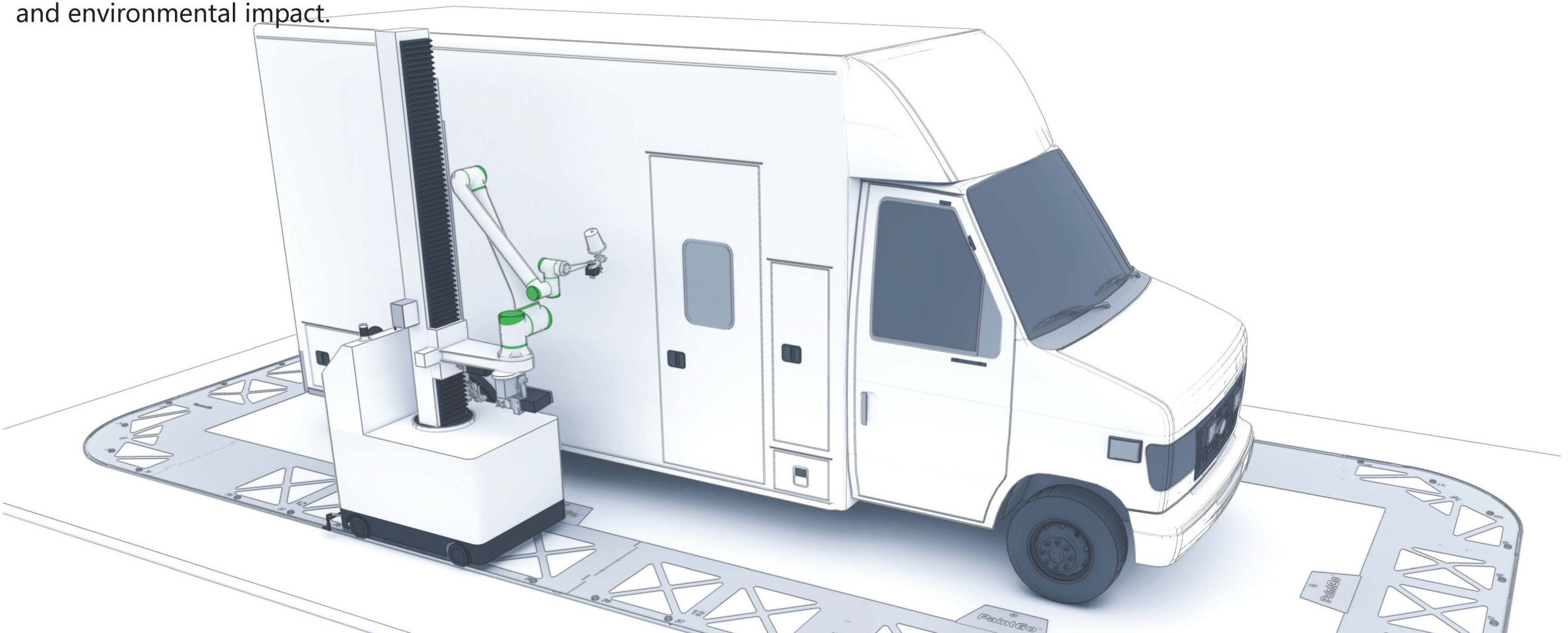


PRODUCT FEATURES

01

PaintGo INTELLIGENT SPRAY PAINTING ROBOT

The intelligent Spray Painting robot can perform Spray Painting for various large commercial vehicles and complies with coating standards. Equipped with a machine vision system, it simulates manual spray painting through intelligent algorithms, autonomously completing the entire sheet metal Spray Painting process. This improves coating quality while reducing human-induced quality defects and environmental impact.

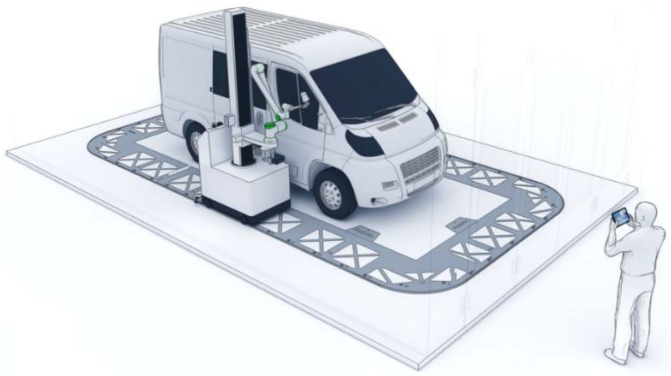


Multi-scenario Coverage

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

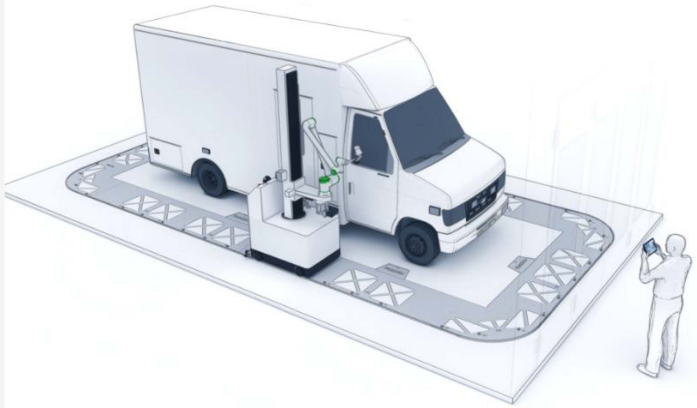
Three types of rails are available in S/M/L sizes, covering full-size commercial vehicles from 4.5m to 17m. The rail model can be flexibly selected according to actual working scenarios and vehicle requirements. **Long rails are backward compatible with smaller vehicles**, meeting the Spray Painting needs of commercial vehicles of different scales and models.

Type S



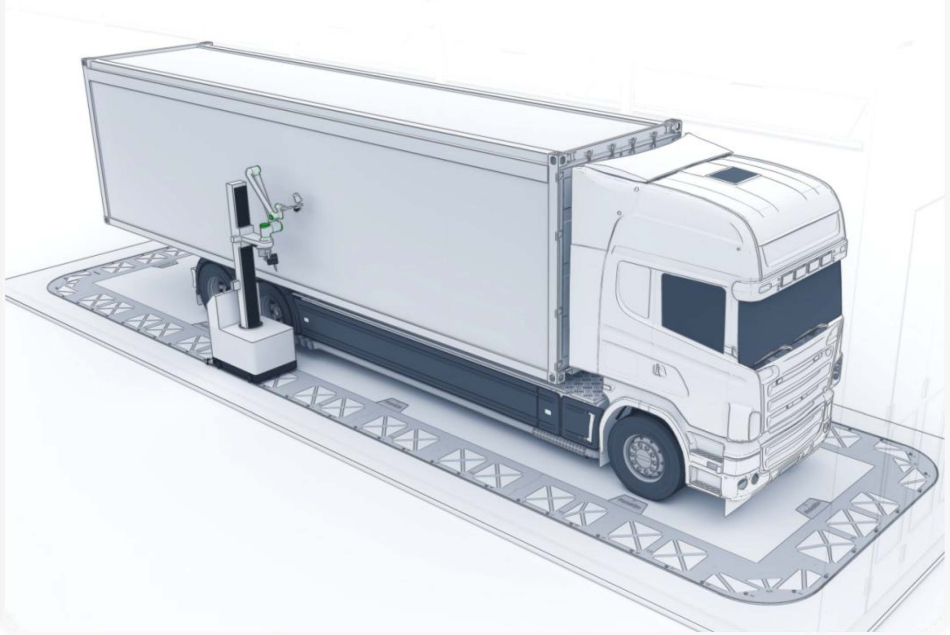
Type S：Covers vehicles with a length of 4.5–6m.

Type M



Type M：Covers vehicles up to 7.5m in length.

Type L

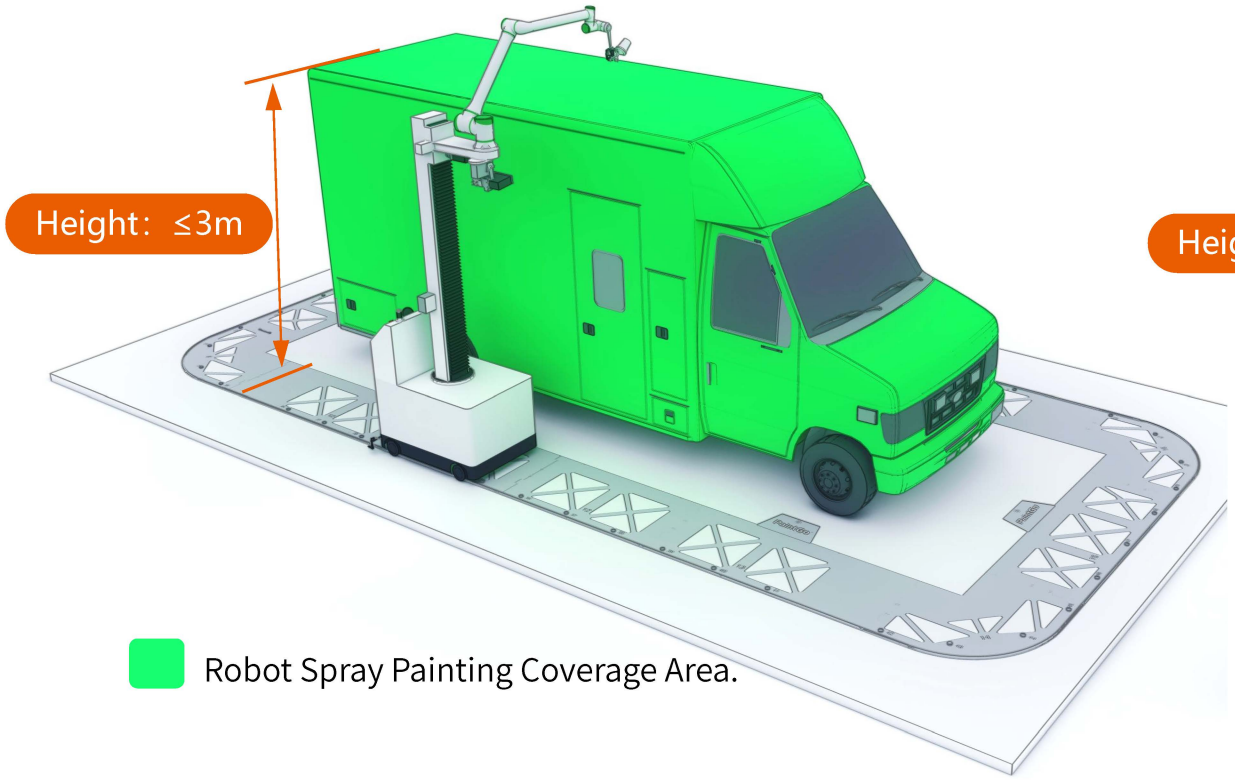


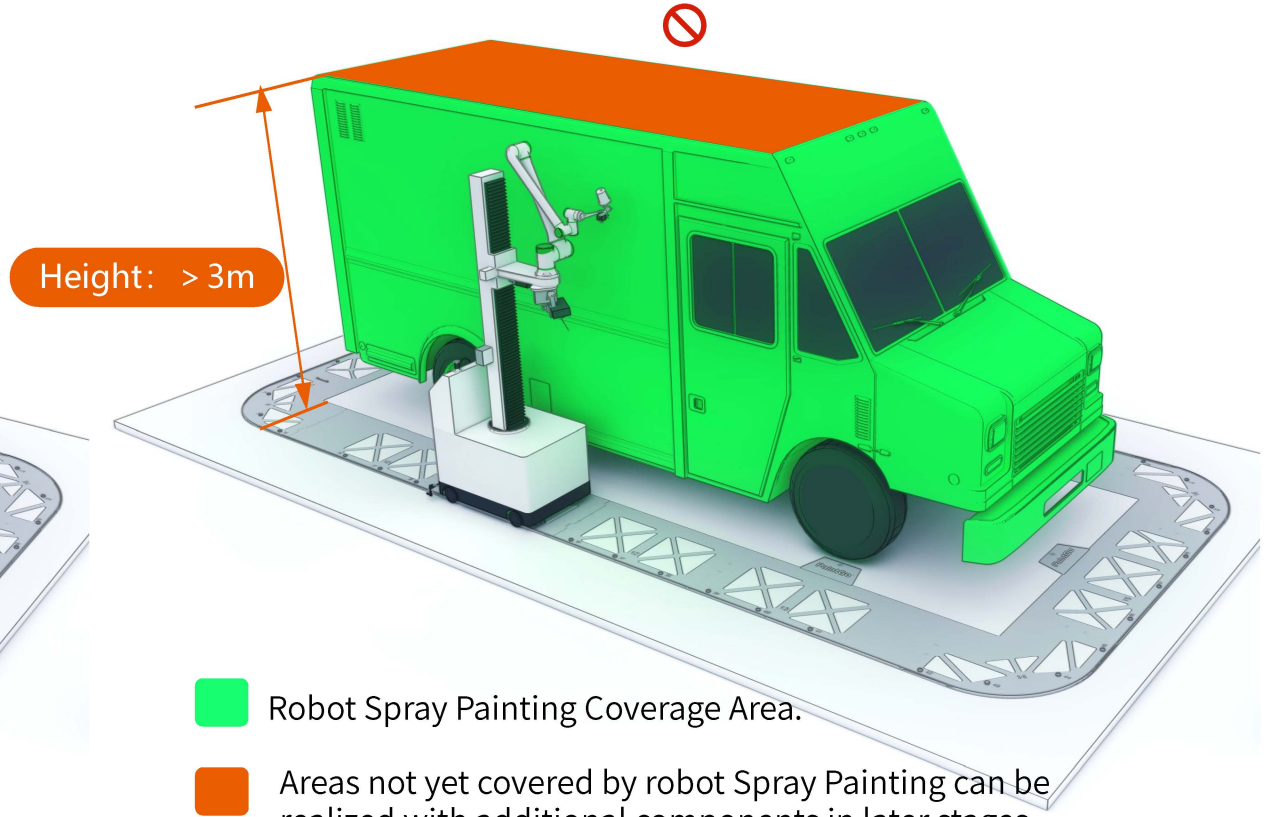
Type L：Covers vehicles up to 17m in length.

Supports spray painting of the entire vehicle exterior surface

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

Supports full vehicle exterior surface Spray Painting. The equipment adopts multi-dimensional linkage of circular guide rails, vertical lifting, rotating platforms and collaborative arms to realize Spray Painting on the entire exterior surface.
It can adapt to complex structures such as curved surfaces, height differences and component joints, eliminating Spray Painting dead zones. Meanwhile, coating parameters are precisely controlled via the control terminal to ensure coating consistency and protective performance.

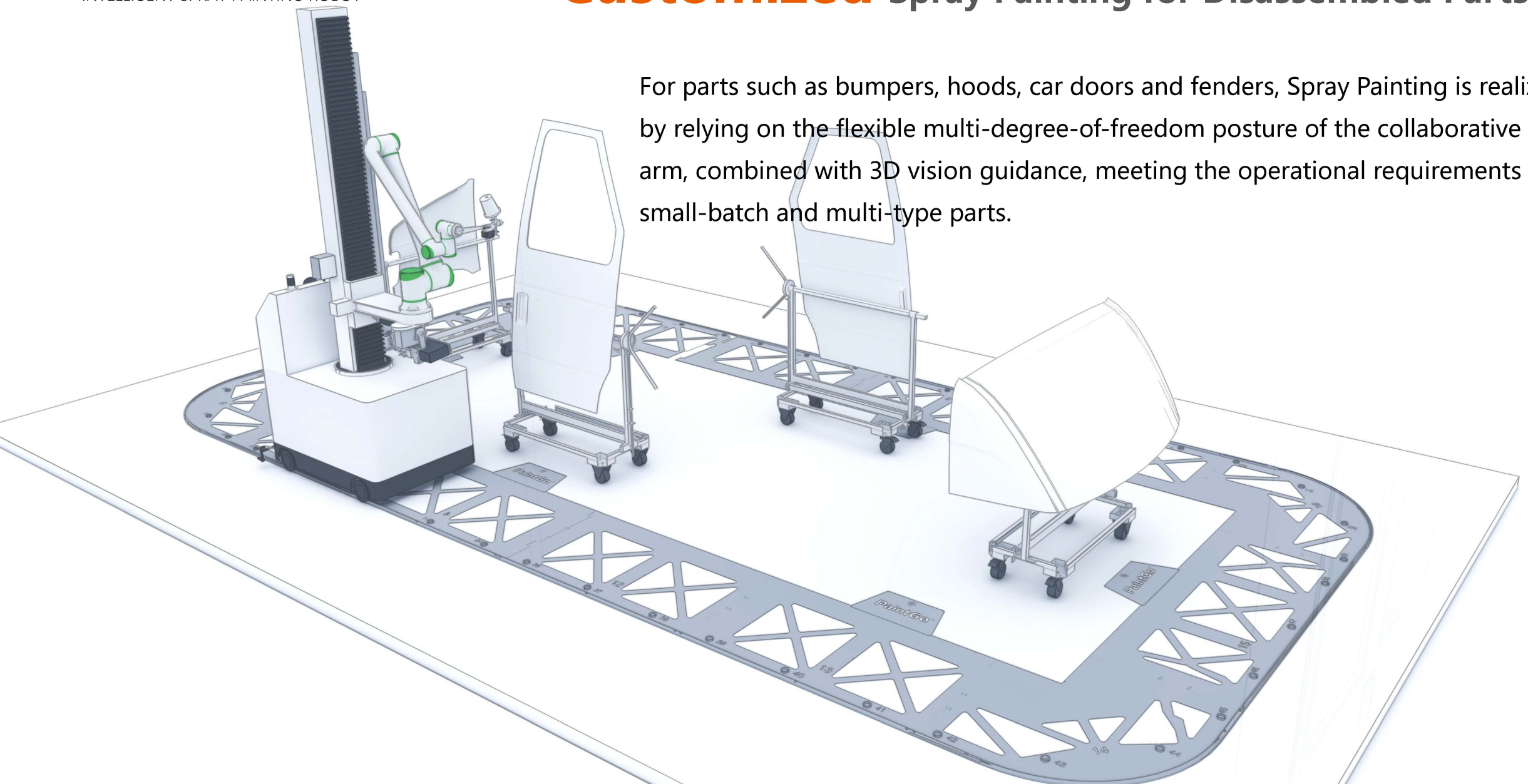




PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

Customized Spray Painting for Disassembled Parts

For parts such as bumpers, hoods, car doors and fenders, Spray Painting is realized by relying on the flexible multi-degree-of-freedom posture of the collaborative arm, combined with 3D vision guidance, meeting the operational requirements of small-batch and multi-type parts.



High-quality Spray Painting, close to original factory quality

PaintGo Intelligent Spray Painting Robot achieves precise control over film thickness, color difference and adhesion through full-process intelligent process control, delivering stable and consistent Spray Painting results.

Its core indicators are comparable to original factory coating standards, easily enabling high-quality commercial vehicle Spray Painting delivery.









PaintGo

INTELLIGENT SPRAY PAINTING ROBOT



One-click access to process library Customizable Spray Painting parameters at will

- Rich Spray Painting process library + independent process planning, supporting customized adjustment to adapt to various coating requirements.
- Built-in industry process library supports customized adjustment and independent planning, enabling one-click implementation of Spray Painting standards.

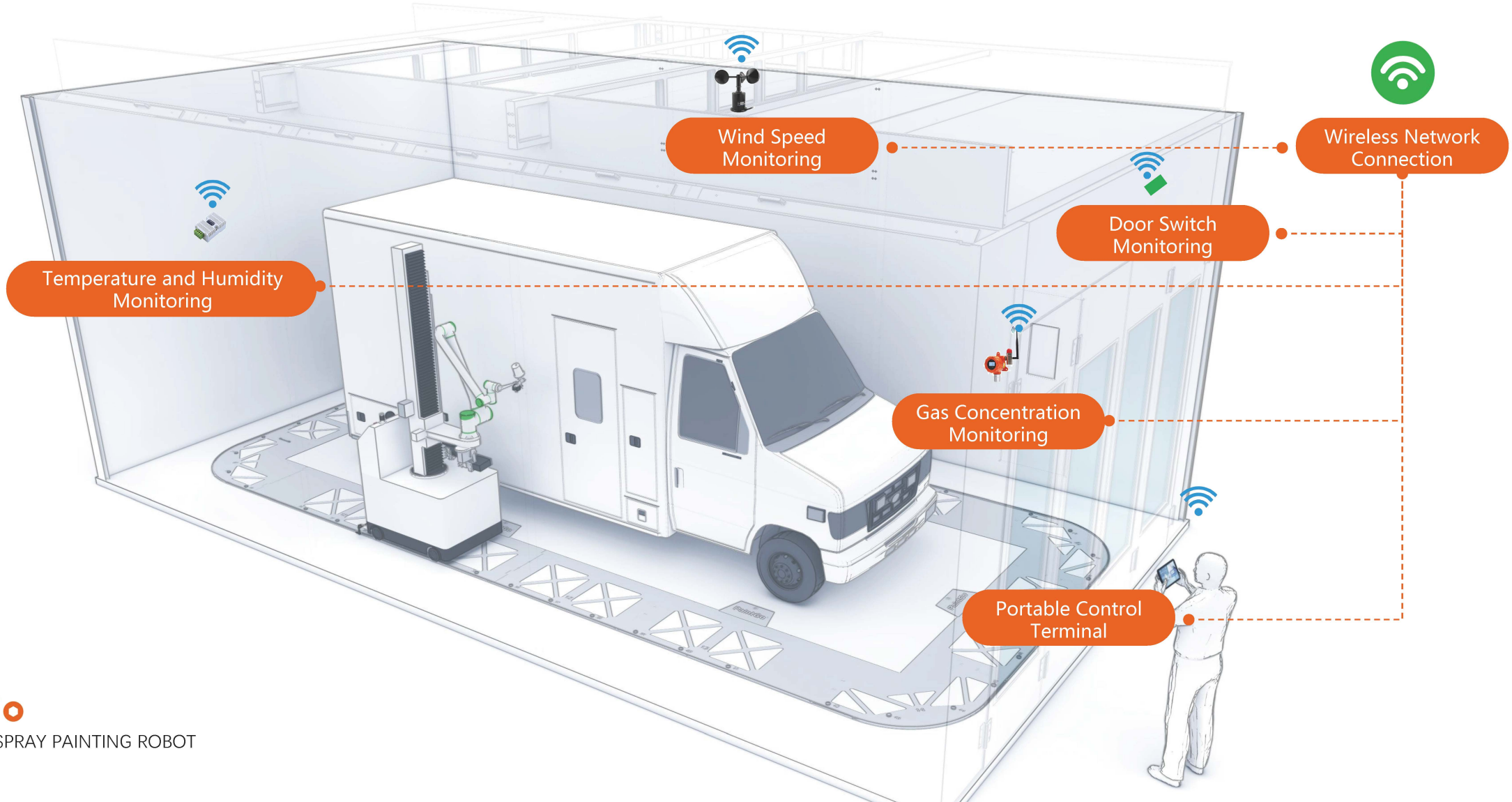
Large-capacity paint supply system for improved Spray Painting efficiency.

- The robot is equipped with a 2L large-capacity spray pot for paint supply.
- When the paint in the pot is exhausted, the system will automatically pause the Spray Painting operation. After replacing the pot and completing paint resupply, the Spray Painting process can be resumed seamlessly to ensure operational continuity.



Comprehensive Safety and Protection

The safety protection system provides comprehensive safeguards for spray booth robots.By linking door systems, ventilation, temperature/humidity and gas detection equipment, a multi-layer protection system is established to prevent fires, explosions and poisoning incidents, ensuring safe and efficient Spray Painting operations.



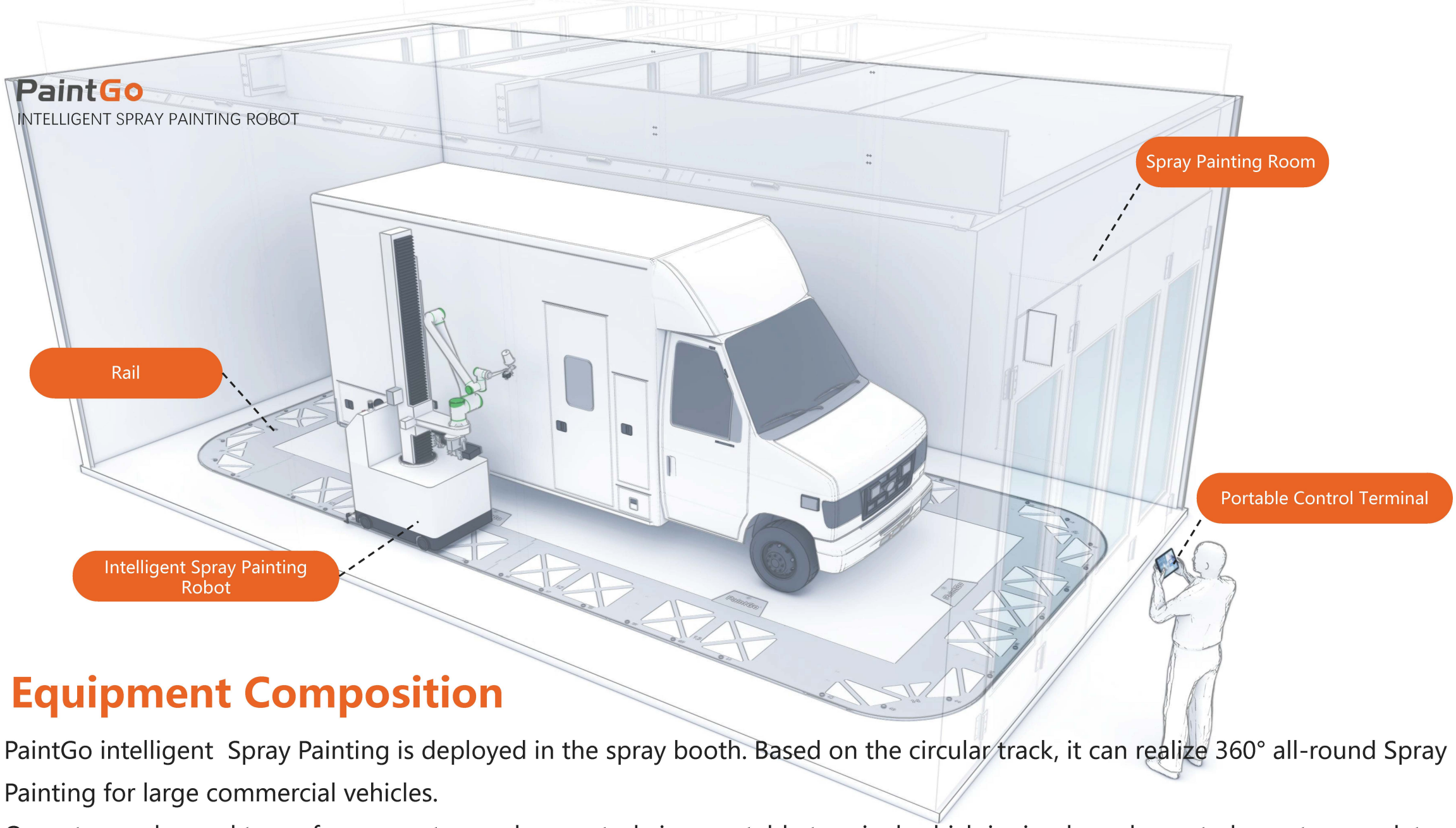
PaintGo
INTELLIGENT SPRAY PAINTING ROBOT



FUNCTIONS AND PARAMETERS

02

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT



Equipment Composition

PaintGo intelligent Spray Painting is deployed in the spray booth. Based on the circular track, it can realize 360° all-round Spray Painting for large commercial vehicles.

Operators only need to perform remote one-key control via a portable terminal, which is simple and easy to learn, to complete automatic Spray Painting operations, forming an efficient, safe and environmentally friendly automated Spray Painting solution.

Intelligent Operation System

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

The intelligent Spray Painting robot adopts a three-level collaborative intelligent operation system of "equipment - terminal - cloud", realizing controllable, manageable and traceable whole-process Spray Painting operations.



On-site Network Service

Cloud Service

Operation Status Feedback

Operation Instruction Issuing

Portable Control Terminal



Integrated industrial hardware configuration supports full-size intelligent Spray Painting for large commercial vehicles

The intelligent Spray Painting robot is equipped with a complete industrial-grade hardware system, including customizable guide rails, large-stroke lifting and 360° rotating operation platforms, high-precision six-axis collaborative robotic arms, high-performance 3D vision sensing modules, and quick-release spray gun components, together with a portable mobile control terminal.
It can meet the full-size Spray Painting requirements of large commercial vehicles, flexibly adapt to complex curved surfaces of vehicle bodies, achieve stable and precise Spray Painting operations, and accurately control film thickness and atomization effects, providing safe, reliable and efficient hardware support for fully automatic intelligent Spray Painting of entire vehicles.







PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

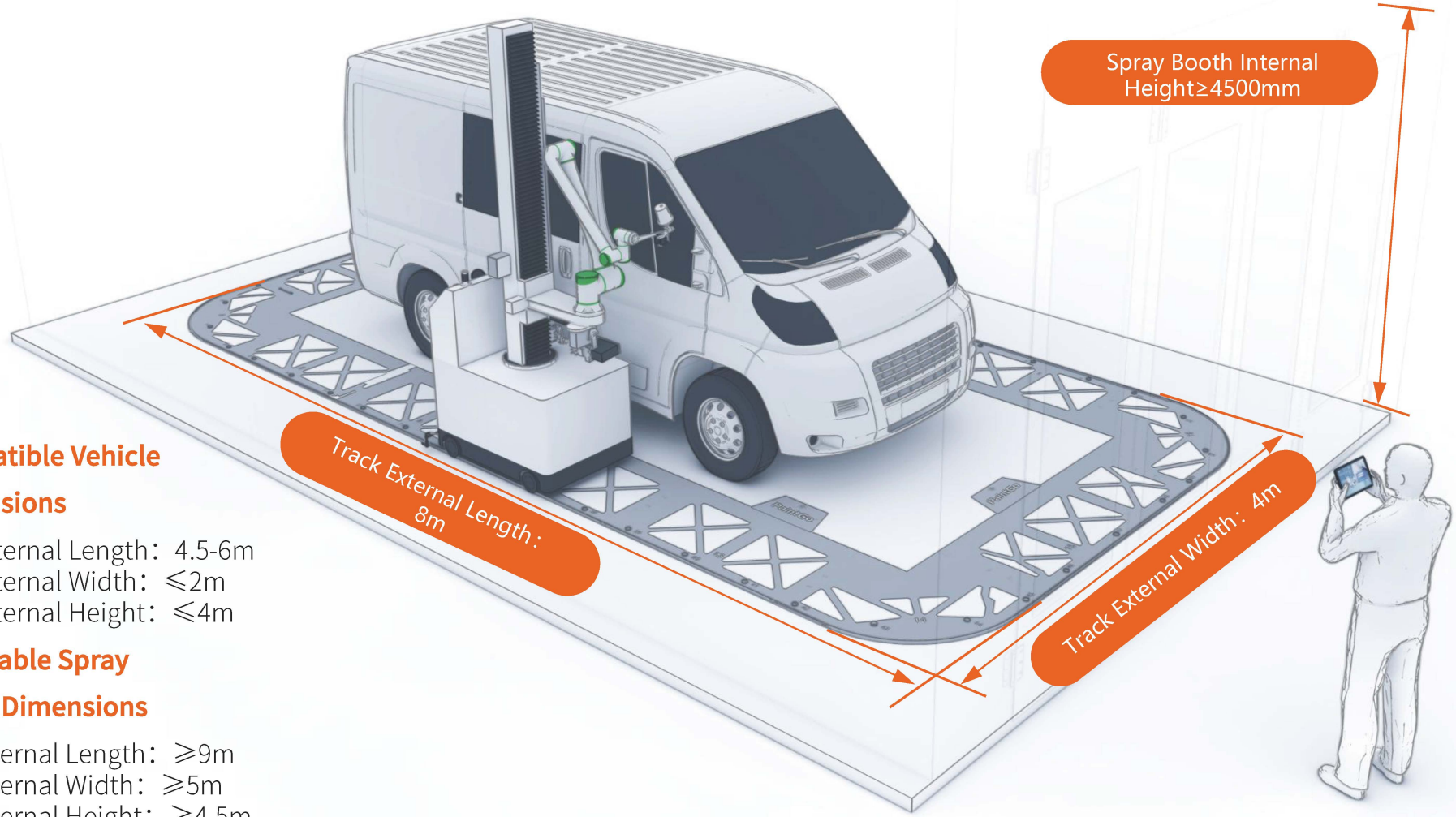
Basic Parameters and Capabilities(PG-98E max)

Type		S-rail	M-rail	L-rail	Remarks
Operation Type	Full Vehicle Spray Painting	Support	Support	Support	External Surface
	Component Spray Painting	Support	Support	Support	External Surface, Single-Side Spray Painting
Sprayable Vehicle Range	External Length（m）	4.5-6	⩽7.5	⩽17	-
	External Width（m）	⩽2	⩽2.3	⩽2.6	-
	External Height（m）	⩽4	⩽4	⩽4	-
Spray Painting Room Requirements	Internal Length（m）	⩾9	⩾10.5	⩾20	-
	Internal Width (m)	⩾5	⩾5.3	⩾5.6	-
	Internal Height（m）	⩾4.5	⩾4.5	⩾4.5	-

For reference only

Type S：Covers vehicles with a length of 4.5–6m.

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT



Compatible Vehicle Dimensions

- External Length：4.5-6m
- External Width：⩽2m
- External Height：⩽4m

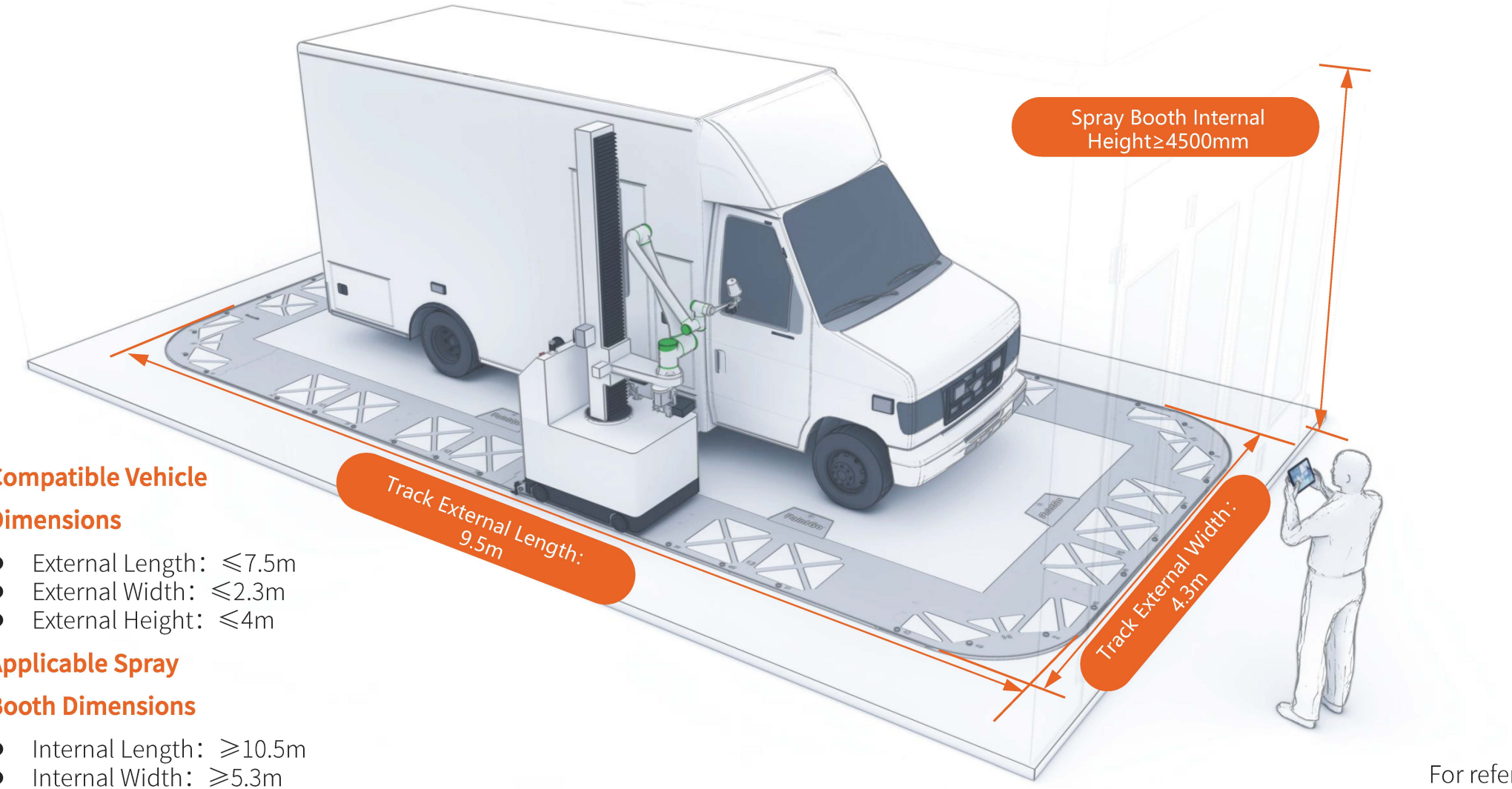
Applicable Spray Booth Dimensions

- Internal Length：⩾9m
- Internal Width：⩾5m
- Internal Height：⩾4.5m

For reference only

Type M：Covers vehicles up to 7.5m in length.

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT



Compatible Vehicle Dimensions

- External Length：⩽7.5m
- External Width：⩽2.3m
- External Height：⩽4m

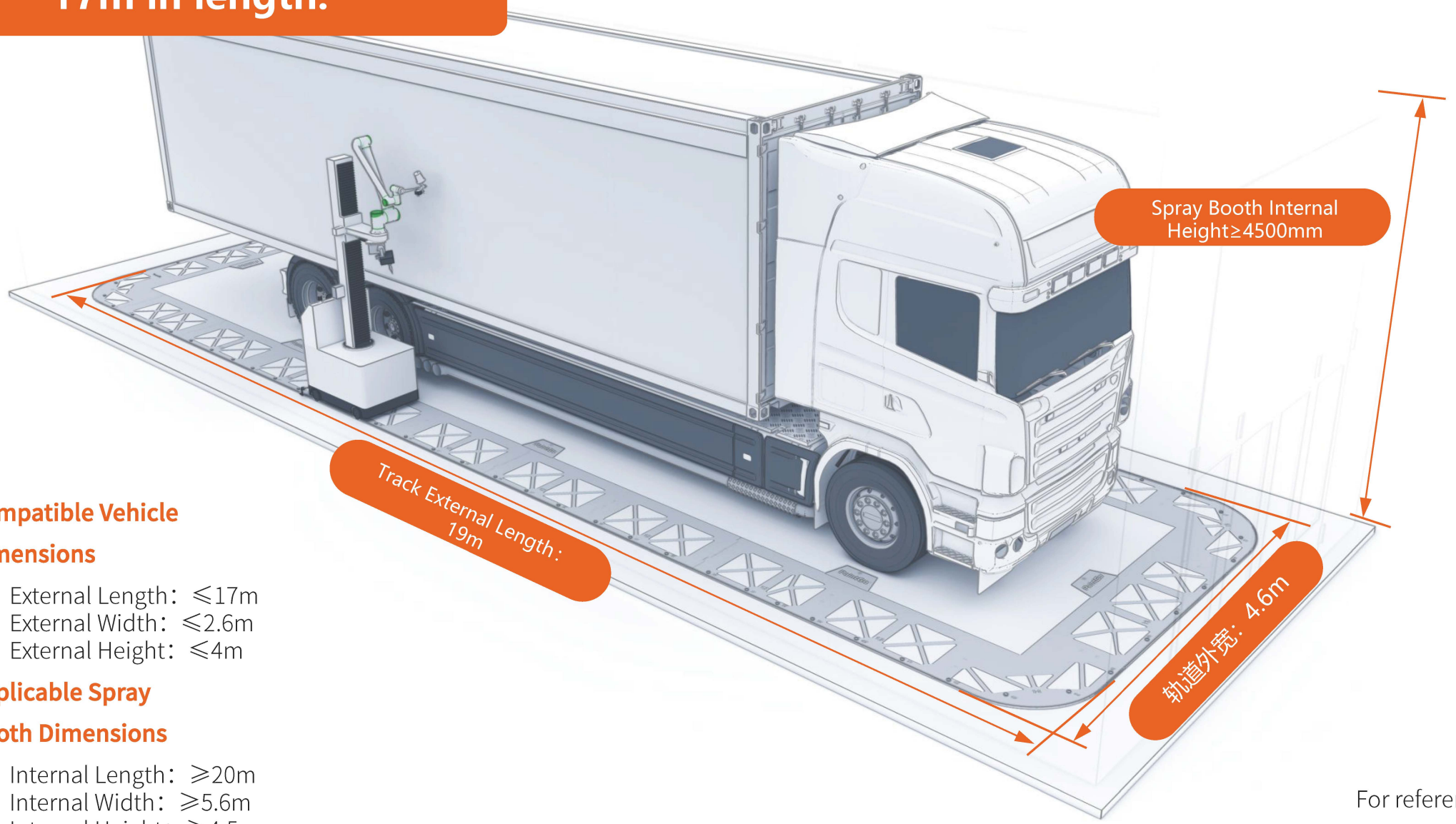
Applicable Spray Booth Dimensions

- Internal Length：⩾10.5m
- Internal Width：⩾5.3m
- Internal Height：⩾4.5m

For reference only

Type L：Covers vehicles up to 17m in length.

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT



Compatible Vehicle Dimensions

- External Length：⩽17m
- External Width：⩽2.6m
- External Height：⩽4m

Applicable Spray Booth Dimensions

- Internal Length：⩾20m
- Internal Width：⩾5.6m
- Internal Height：⩾4.5m

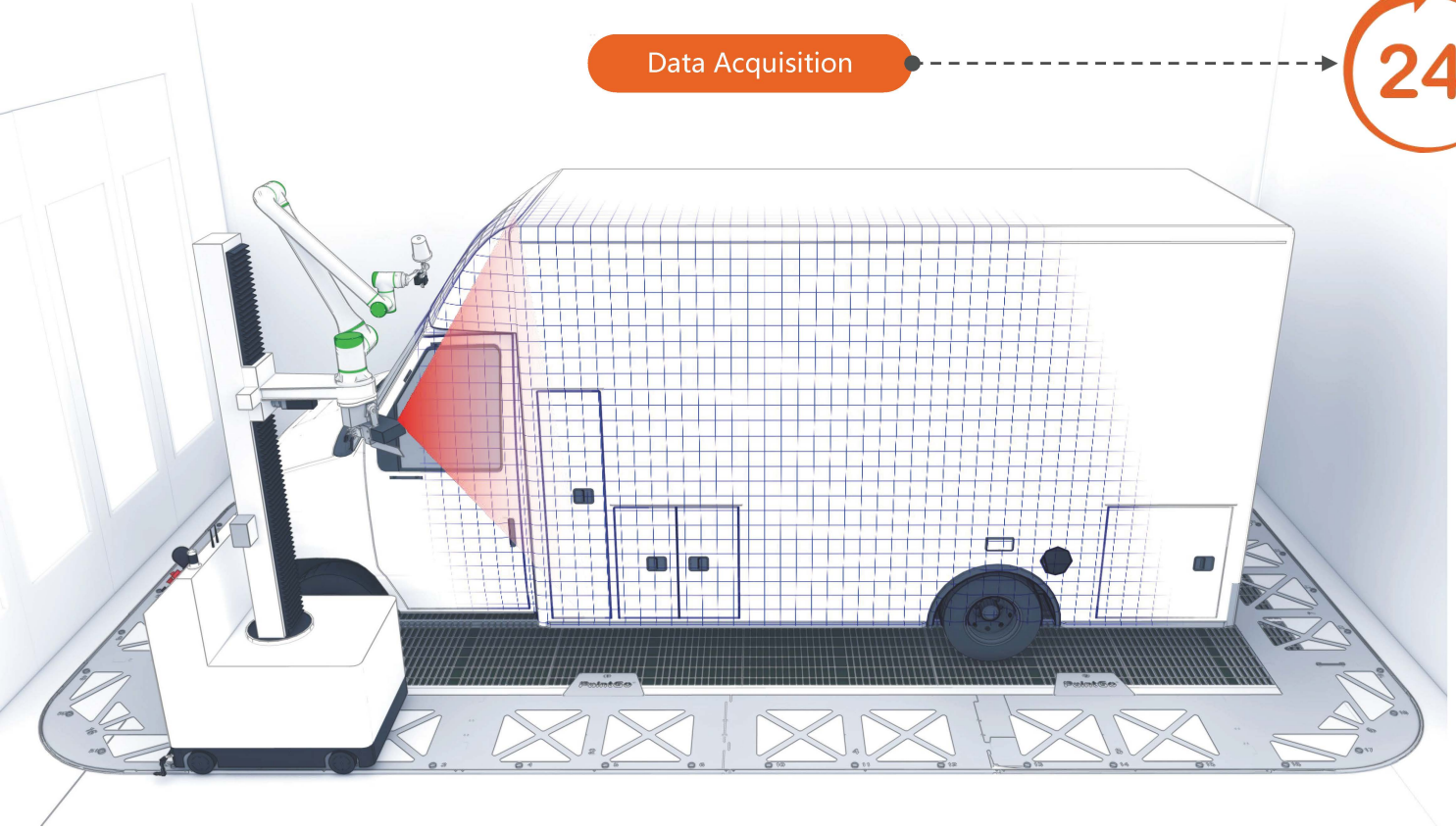
For reference only

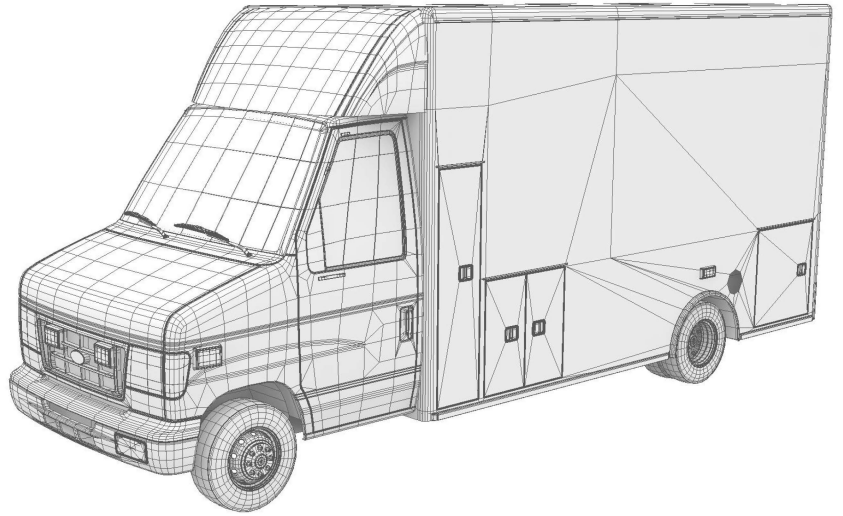
Automatic production data collection supported

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

PaintGo intelligent Spray Painting robot is equipped with 3D vision automatic modeling. It can scan new unrecorded vehicle models via the built-in 3D camera, **generate data within 24 hours, and then perform Spray Painting operations** without manual programming and debugging. It achieves fast adaptation and automated Spray Painting, significantly improving vehicle compatibility and production flexibility.

Data Acquisition → 24h → Production Data







PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

Machine vision perception

Automatic matching and autonomous planning, no manual intervention required

The robot vision enables omnidirectional and multi-dimensional perception of the workpiece to be sprayed, allowing quick adjustment and matching of the working area. It automatically matches the Spray Painting path to the model features of the workpiece in the working area.

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

Product Advantages

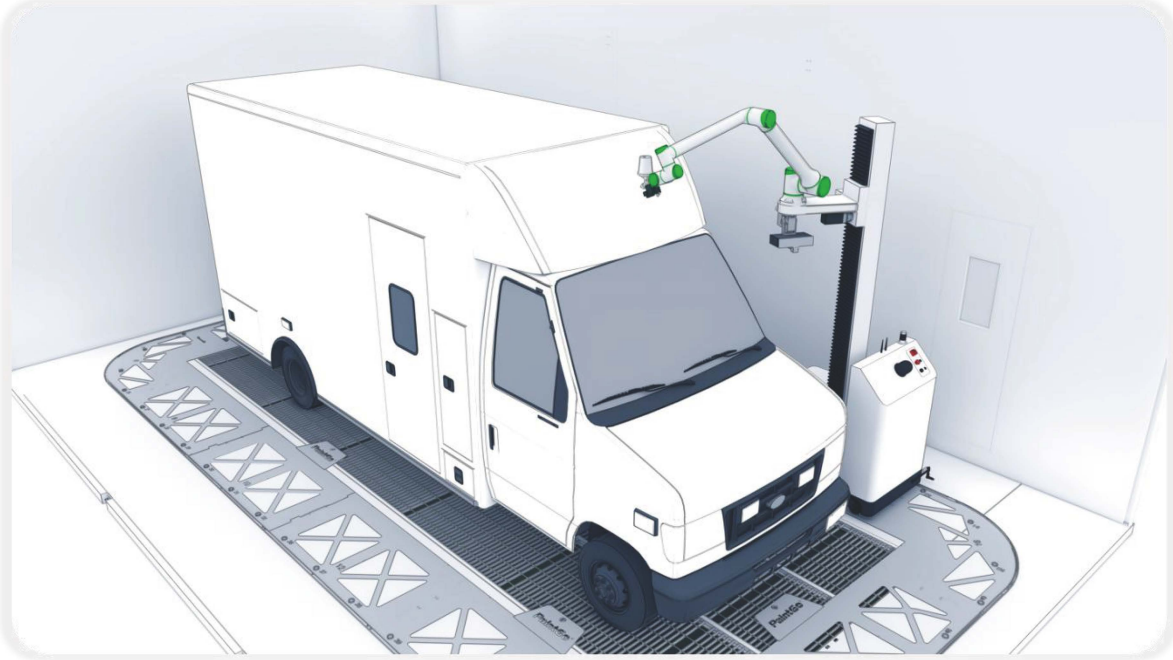
Intelligent

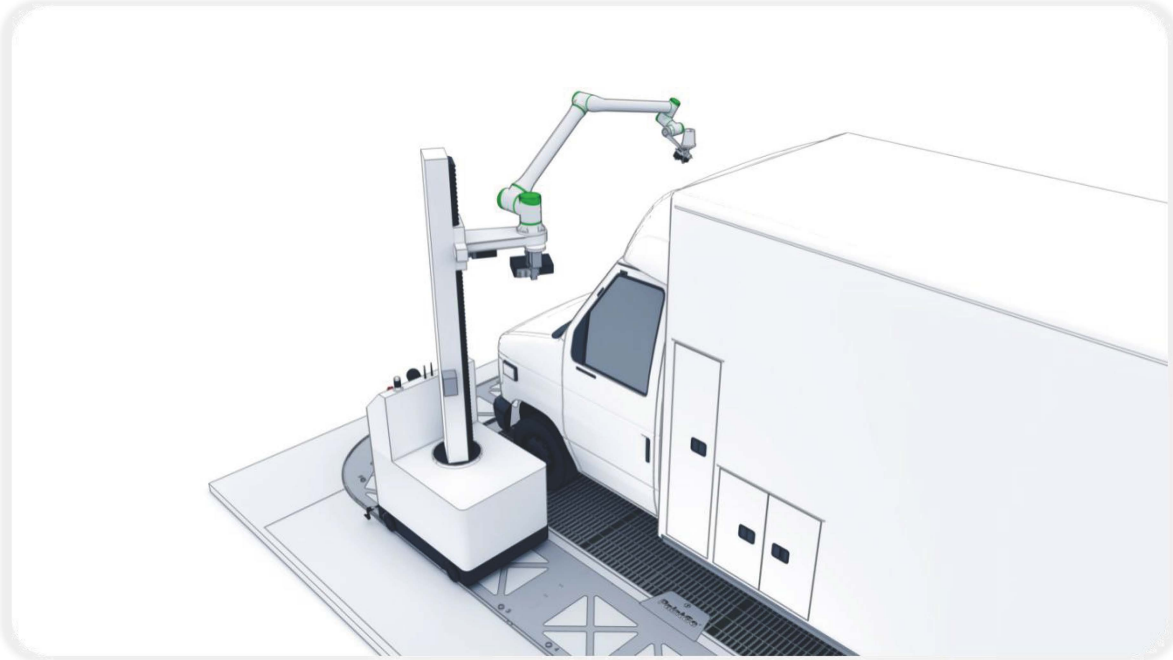
Safety

Cost Reduction

Efficiency Enhancement

- High degree of intelligence and strong safety performance.
- Easy and efficient operation.
- Saves material costs, eco-friendly and delivers excellent quality.
- Improves work efficiency and reduces labor costs.

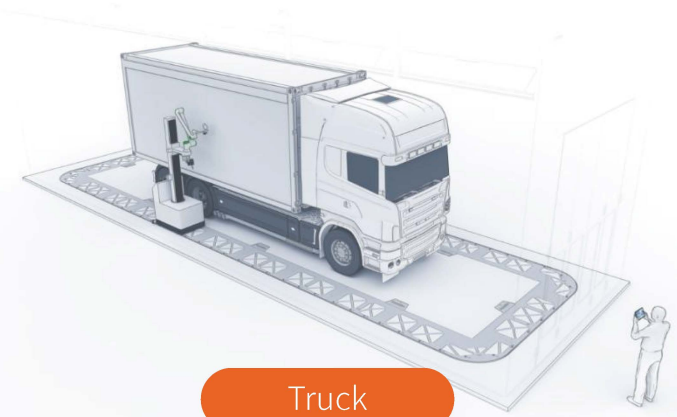




Customizable Application Scenarios

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

PaintGo Intelligent Sprayin Paintg Robot is not only suitable for spraying large commercial vehicles, but can also be customized and expanded to diverse scenarios such as buses, containers, engineering vehicles and large mechanical components, providing flexible and intelligent spraying support for different industries.



Truck



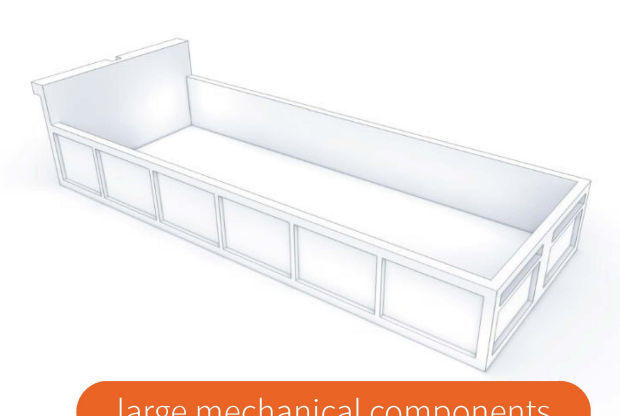
Coach bus



Container



engineering vehicles



large mechanical components

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

MORE.....

Awards & Cases

03

PaintGo

INTELLIGENT SPRAY PAINTING ROBOT

Won international innovation awards

Technical strength recognized by global authorities

PaintGo Intelligent Spray Painting Robot has won the 2025 EQUIP AUTO and 2025 Zepros (Ze Awards) Innovation Awards, gaining international industry recognition for its cutting-edge technology and leading the new era of intelligent Spray Painting.

2025 EQUIP AUTO Paris "INNOVATION"

2025 Ze Award de l' Innovation



Commercial Cases

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

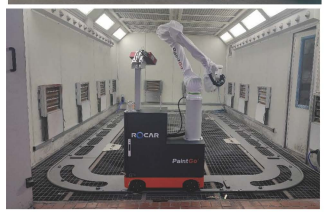
PaintGo has been implemented in more than 200 automotive 4S shops and body & paint centers both at home and abroad. Served car brands include, but are not limited to, Mercedes-Benz, BMW, Audi (BBA), Tesla, Honda, Toyota, Volkswagen, Li Auto, and others.

Mercedes-Benz dealerships (multiple locations)



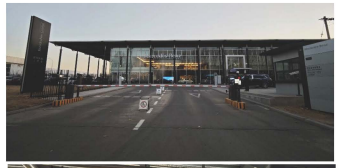




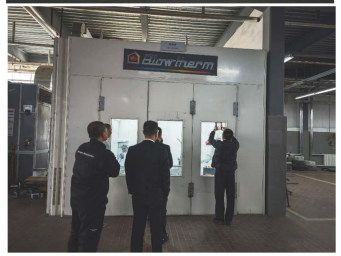














BMW dealerships






Commercial Cases

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

Tesla stores & service centers

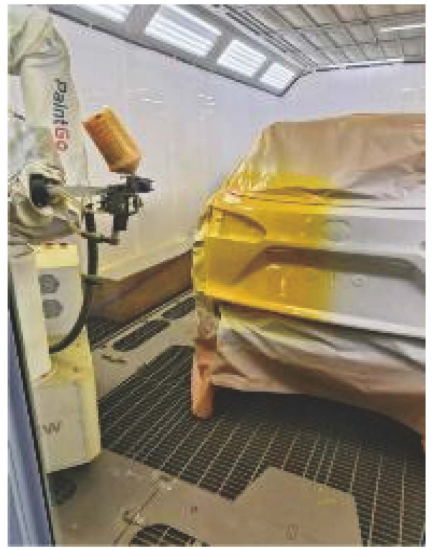




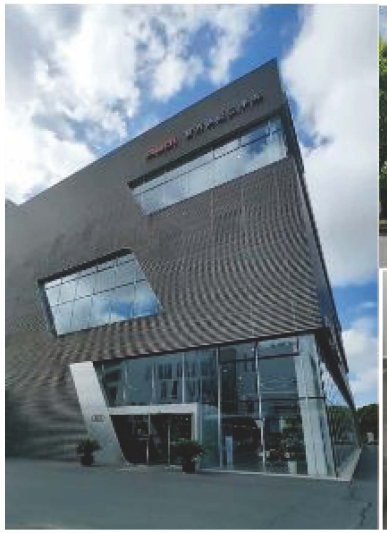


Toyota dealerships





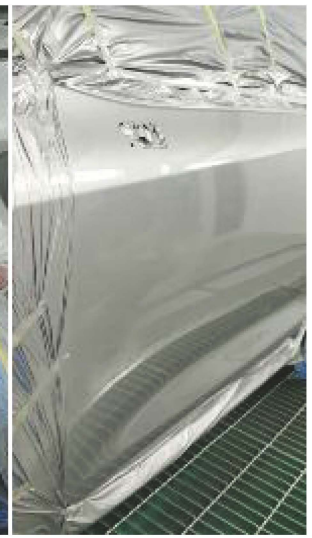
Service Center











Commercial Cases

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

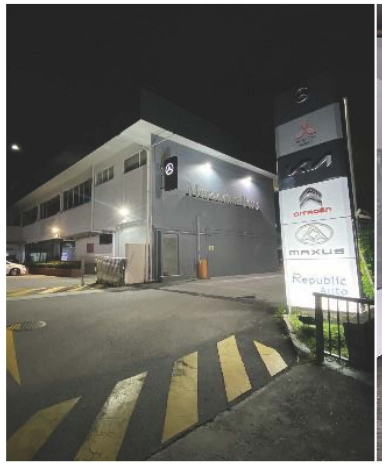
Malaysian customer stores

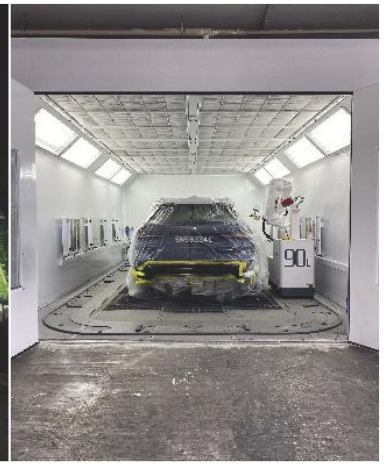







Singaporean customer stores





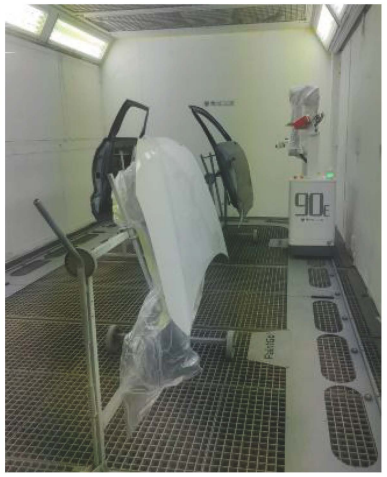
South Korean customer stores







Swiss customer stores

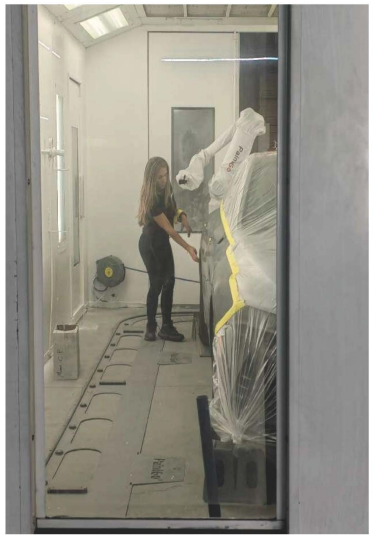



Commercial Cases

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

US customer stores





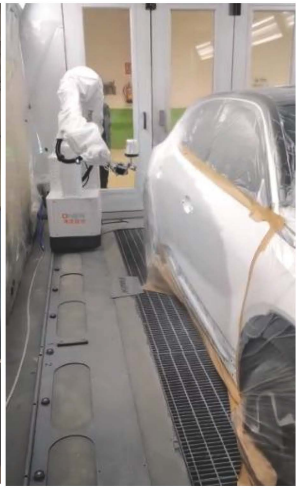
French customer stores





Italian customer stores

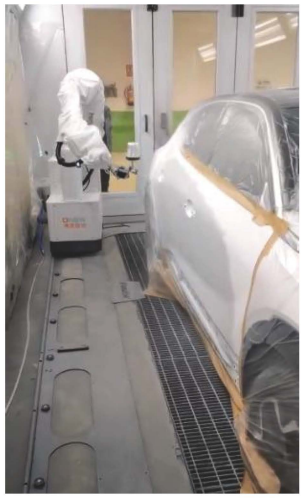




Spanish customer stores







Commercial Cases

PaintGo
INTELLIGENT SPRAY PAINTING ROBOT

US PG-98E Customer Site








ONEW
PaintGo