PaintGo

Intelligent Spray Painting Robot

Based on meta-universe digital twin technology, intelligent bionic spraying solutions for automotive aftermarket applications

Technology creates value, everything will be different from the tradition



Najem Al Kawkab General Trading LLC, Dubai is authorized service and distribution hub in Middle East

RV.20250805

PaintGo Intelligent Spray Painting Robot

Technology creates value, everything will be different from the tradition

Leading intelligent spray painting robot technology and service provider. To address the pain points of the traditional maintenance and painting industry, we provide a comprehensive solution for painting that is "good, fast, easy, and cost-effective". The intelligent biomimetic spraying robot, combined with a machine vision system, simulates the actual manual painting process and techniques through the AI algorithm, achieving the full process of autonomous recognition, planning, and operation of the robot for sheet metal spraying.

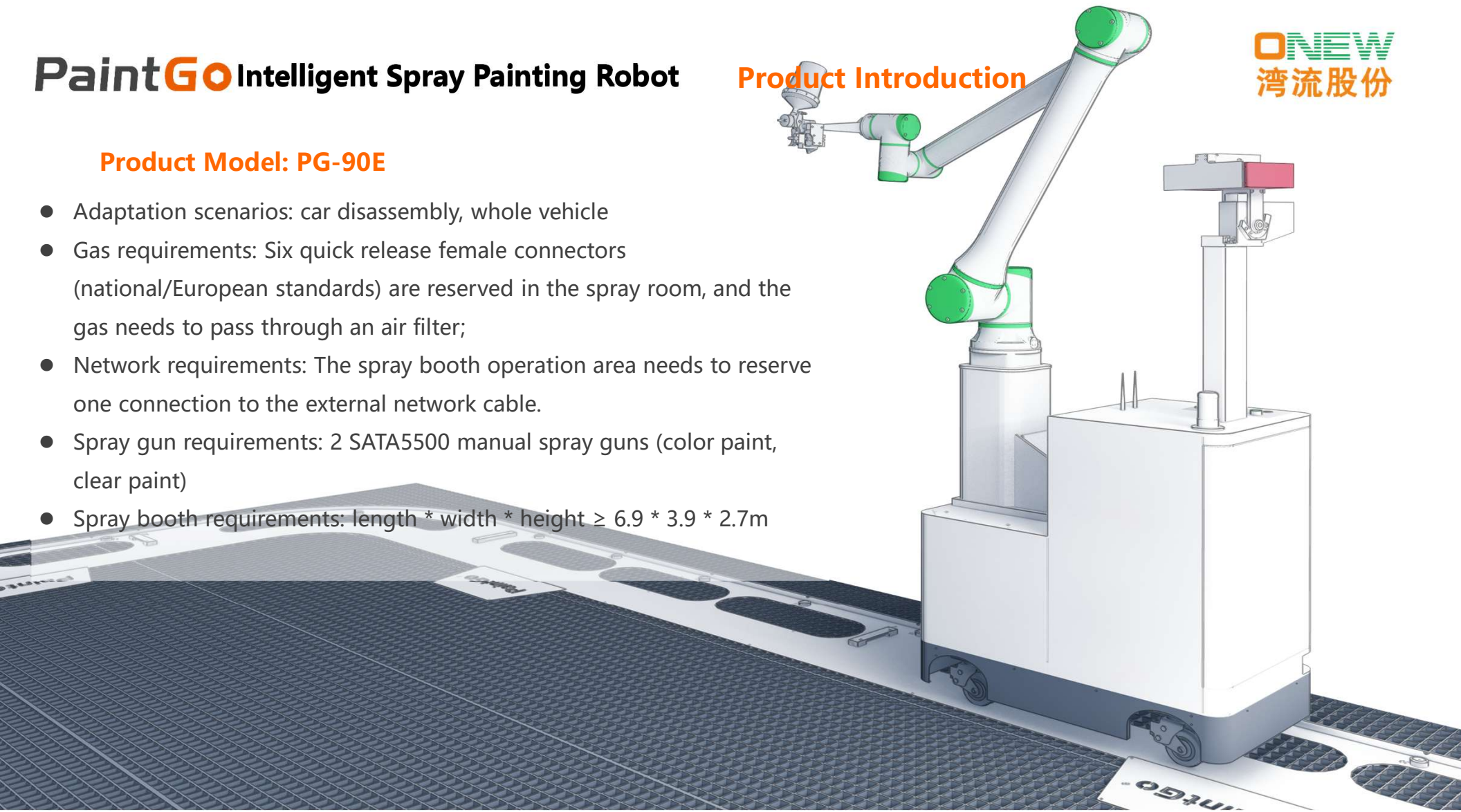
PaintGo Intelligent Spray Painting Robot

Product Introduction

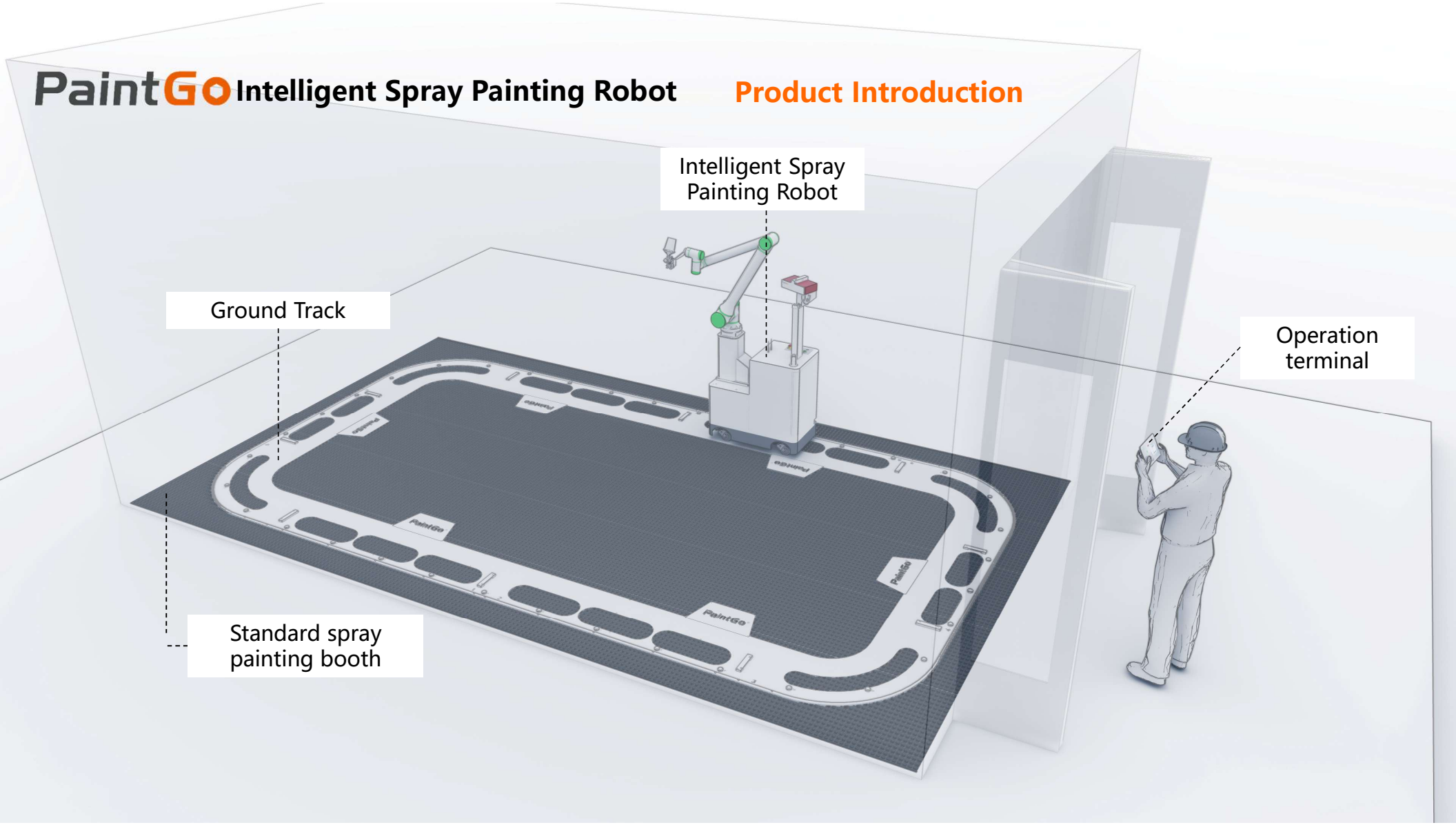
ONEW 湾流股份

Product Model: PG-90E

- Adaptation scenarios: car disassembly, whole vehicle
- Gas requirements: Six quick release female connectors (national/European standards) are reserved in the spray room, and the gas needs to pass through an air filter;
- Network requirements: The spray booth operation area needs to reserve one connection to the external network cable.
- Spray gun requirements: 2 SATA5500 manual spray guns (color paint, clear paint)
- Spray booth requirements: length * width * height ≥ 6.9 * 3.9 * 2.7m

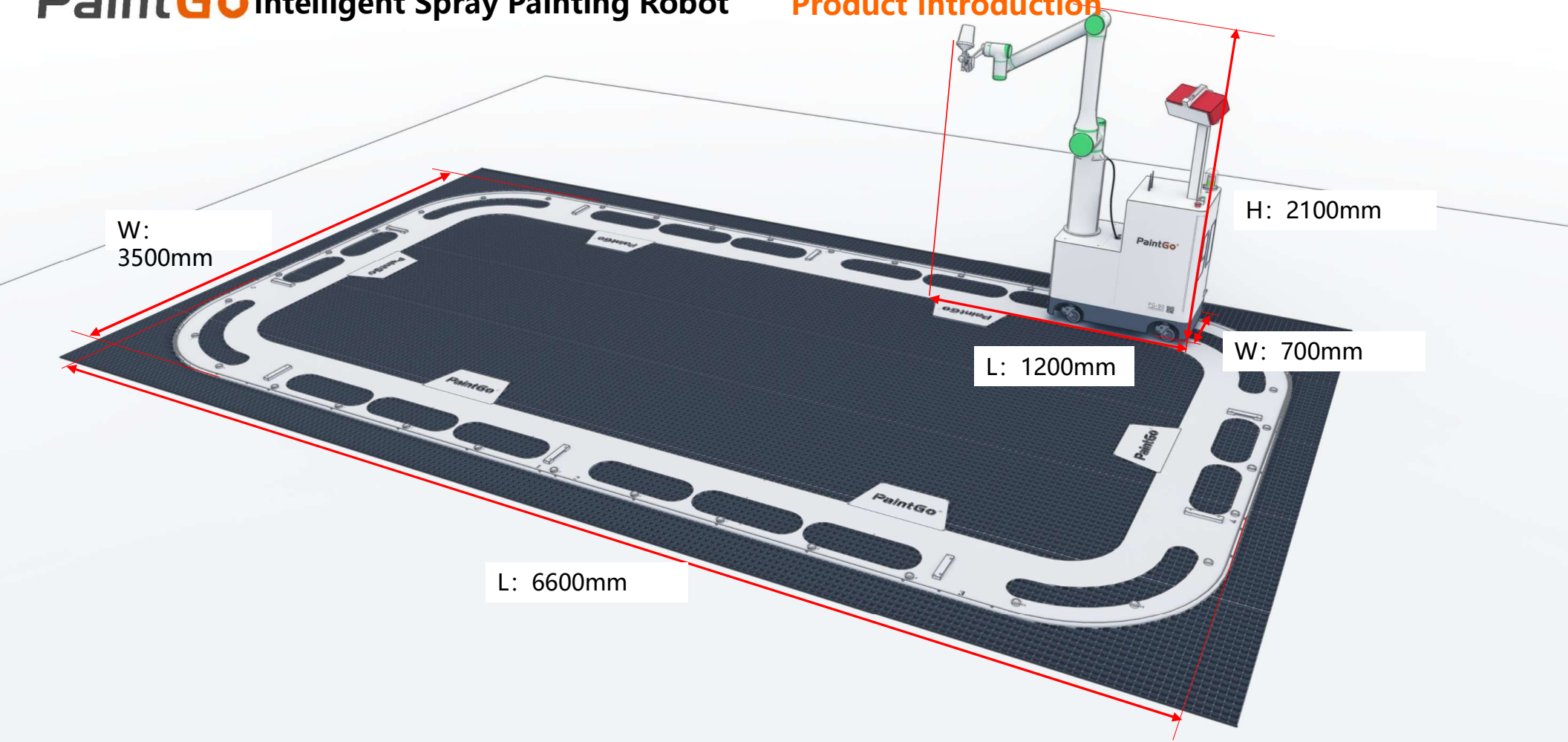


PaintGo **Intelligent Spray Painting Robot** **Product Introduction**



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Product Introduction



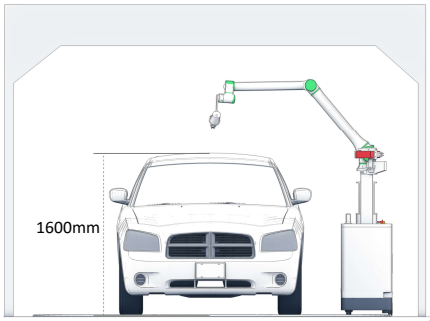
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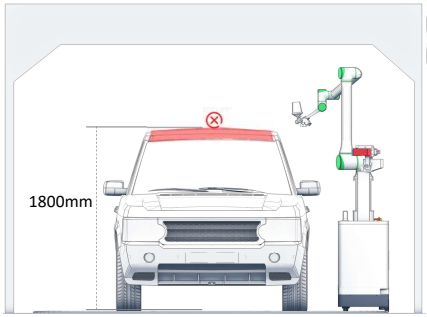


Components / Type	Whole vehicle operation	Instruction
Front engine hood	●	**1.The operation range for painting the whole vehicle:** • length ≤ 5.1m; • width ≤ 2m; • 0.24m ≤ height ≤ 1.8m（Do not spray the roof）. • When spraying the roof, the vehicle height must be ≤ 1.6m. 2.For vehicles with a length less than 4.5m, the front and rear bumpers cannot be painted simultaneously. 3.When the painting parts include the front fender, front door and A-pillar, the rearview mirror needs to be removed during the operation.
Front bumper	●	
Front fender	●	
Front door	●	
Rear door	●	
Rear fender	●	
Rear bumper	●	
Roof	●	
Skirt	●	
A-pillar	●	
C-pillar	●	

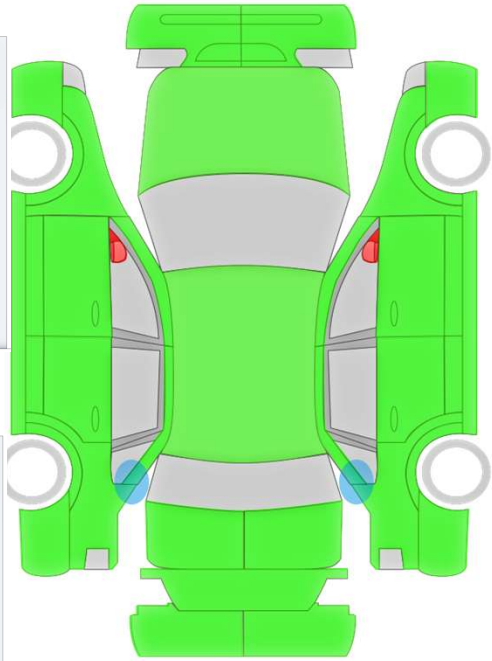
Schematic Diagram of the Operation Scenario for the Whole Vehicle



Vehicles with a height of ≤ 1.6m can have all their components sprayed.



Vehicles with a height ranging from 1.6m to 1.8m (inclusive) must not have their roofs sprayed.



● Operation of the Intelligent Spray Painting Robot

● Manual Spray Painting

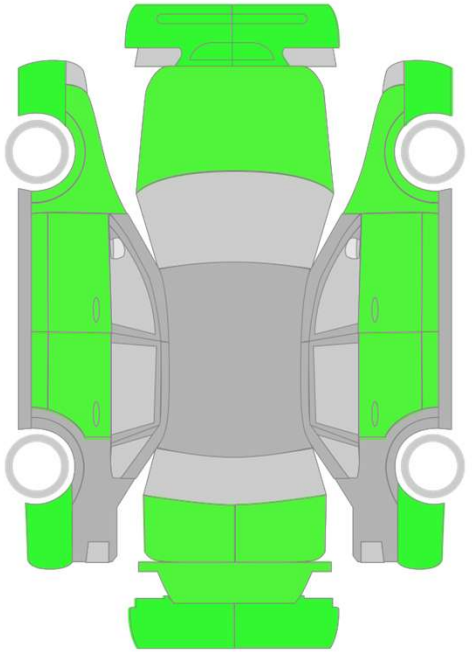
PaintGo Intelligent Spray Painting Robot

Product Introduction



Components \ Type	Dismantling parts operation	Instruction
Front engine hood	●	The height range of the disassembly parts operation: 0.24m ≤ operation range ≤ 2m.
Front bumper	●	
Front fender	●	
Front door	●	
Rear door	●	
Rear fender	●	
Rear bumper	●	
Roof	/	
Skirt	/	
A-pillar	/	
C-pillar	/	

Schematic Diagram of the Dismantling Parts Operation Scenario



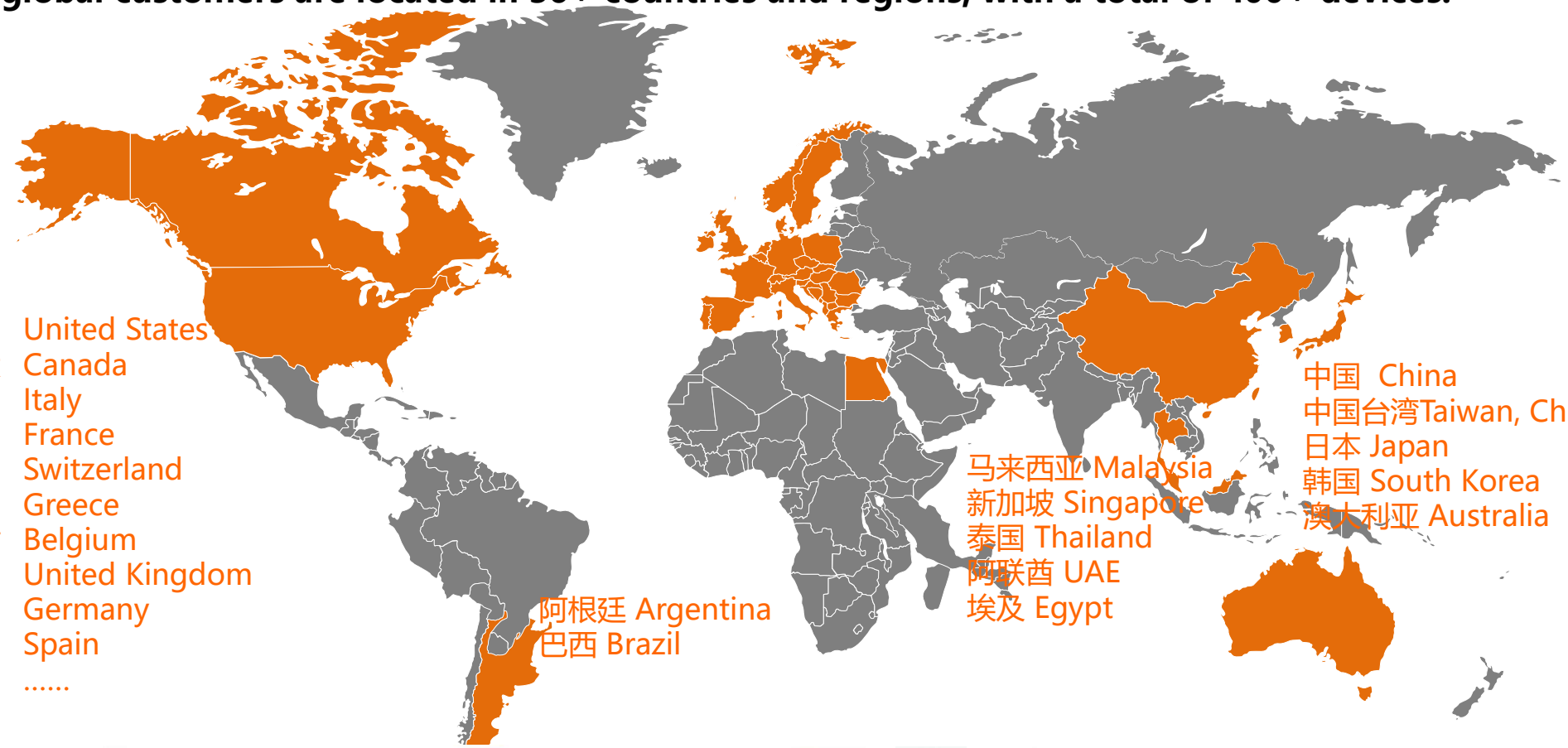
● Operation of the Intelligent Spray Painting Robot

● Area That Cannot Be disassembled

PaintGo智能喷涂机器人 全球布局 Global Presence

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Our global customers are located in 36+ countries and regions, with a total of 400+ devices.



美国 United States
加拿大 Canada
意大利 Italy
法国 France
瑞士 Switzerland
希腊 Greece
比利时 Belgium
英国 United Kingdom
德国 Germany
西班牙 Spain
....

阿根廷 Argentina
巴西 Brazil

马来西亚 Malaysia
新加坡 Singapore
泰国 Thailand
阿联酋 UAE
埃及 Egypt

中国 China
中国台湾Taiwan, China
日本 Japan
韩国 South Korea
澳大利亚 Australia

PaintGo **Intelligent Spray Painting Robot** **Energy Efficiency Analysis**

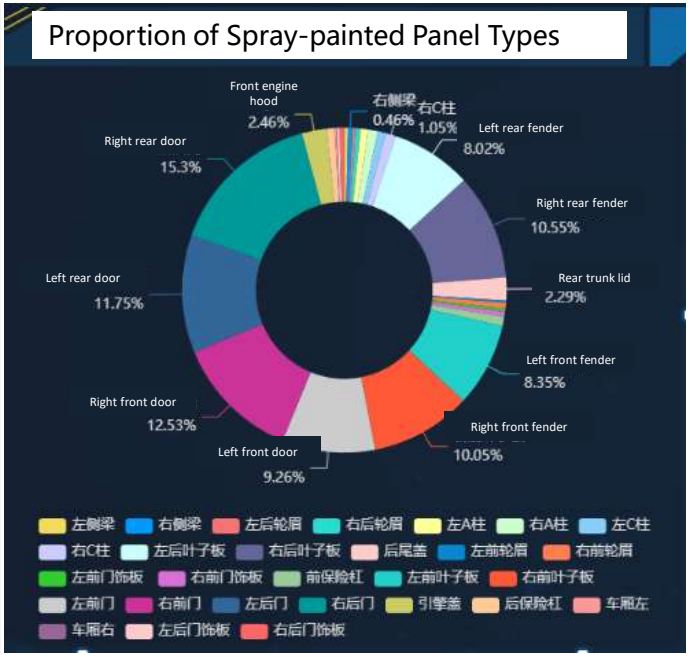
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Actual Operation Situation

The quantity of operations is directly proportional to the quantity of business in the store and the process arrangement. The average actual operation data is: 100 Panels per month (equivalent to 25-50 vehicles).

Among the painted panels, car doors and fenders account for a relatively large proportion.





PaintGo Intelligent Spray Painting Robot

Actual Operation Scene

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PaintGo Intelligent Spray Painting Robot Business Cases

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It has been implemented and covered in more than 40 domestic and overseas automotive 4S stores and sheet metal painting centers. The served automotive brands include but are not limited to BBA, Tesla, Honda, Toyota, Volkswagen, Li Auto, etc.。

BMW Store





Mercedes-Benz Store





Mercedes-Benz Store





Mercedes-Benz Store





PaintGo Intelligent Spray Painting Robot

Business Cases

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Tesla store









On-site at the Body & Paint Center

Toyota store























PaintGo Intelligent Spray Painting Robot Business Cases

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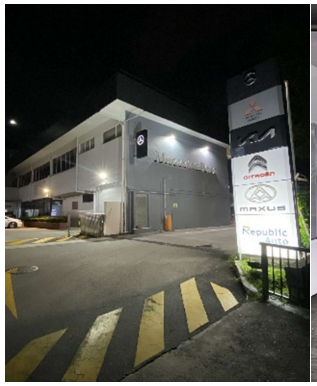
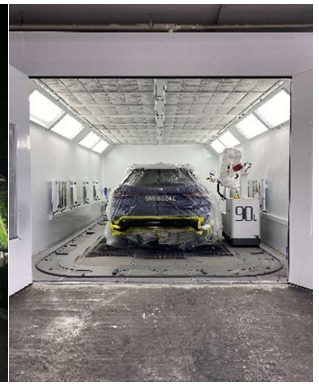
Malaysia customer store








Singapore customer store

South Korea customer store







Switzerland customer store



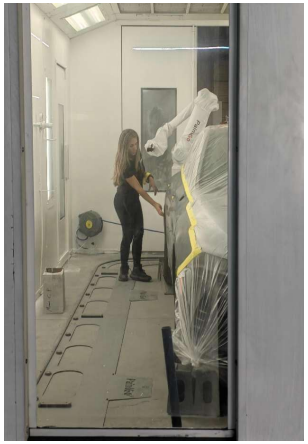

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Business Cases

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United States customer store





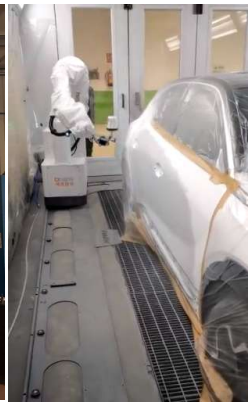
France customer store





Italian customer store

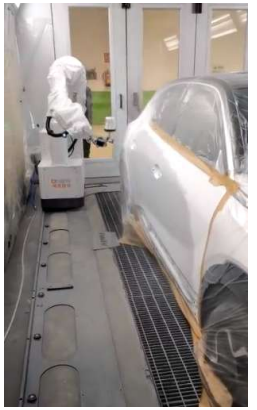




Spain customer store







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NAJEM AL KAWKAB GENERAL TRADING LLC

(Authorized service and distribution hub in Middle East)

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