

# インテリジェントスプレーロボットシステム PaintGo®

小さな塗装生産ラインを実現

ベテラン職人の3.5倍  
以上の生産性

コストの削減、作業環  
境の改善に



## 高品質

現場のプロセスデータを5年収集し技  
量はベテラン職人の水準に達しまし  
たその品質は常に安定しております

## 高効率

AIによる最適な塗装を実現。塗装と  
乾燥の分離、スライドレールによる  
連携で効率的な運用が出来ます

## 高操作性

熟練の制御担当者でなくてもトレ  
ーニングにより一般スタッフでも操作  
が可能

## 5つの技術

- ・ロボット制御技術
- ・画像処理技術
- ・人工知能技術
- ・塗装技術
- ・調色技術
- ※インクメーカーとの  
コラボにより実現

## 導入実績

### ポルシェ

ユーザーでの1年の実証実験を行い30社の  
競合の中から選ばれました

### ベンツ

実証実験1年で採用されました

### アウディ

実証実験2年で採用されました

### 蔚来(NIO)

ナスダック上場 中国の電気自動車メーカー  
1年の実証実験で採用されました



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**PaintGo® INTELLIGENT AUTOMOBILE  
REFINISH SPRAY PAINTING ROBOT**

AI helps to draw the future intelligently



Leading technology and service provider of intelligent refinish painting robot for automobile maintenance



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# 01

## INDUSTRY STATUS



## Current situation of after-sales refinish painting industry



### Fierce after-sales competition

Low price competition of social maintenance enterprises, heavy industry segmentation and other factors intensify market competition, and a large number of brand after-sales businesses are diverted



### Increased environmental protection pressure

The government has become more and more strict with environmental protection policies

## Pain points of after-sales refinish painting business

Skilled workers in spray painting are scarce (fewer and fewer employees)

Spray painting skill level of different technicians are Inconsistent

Difficulties in training and management of employees, with increasing costs

Customers are easy to lose



# 02

## SYSTEM INTRODUCTION

PaintGo® intelligent refinish painting robot system has a machine vision system, AI algorithm, learning from the actual manual painting process and technique, be able to identify, plan and work independently

With the rapid development of machine vision, machine learning and artificial intelligence, the refinish painting industry has ushered in an opportunity for innovation. The pain points of traditional refinish painting business have been improved with high quality, efficiency and scale effect by virtue of digital technology. The key to the success of future refinish painting industry reform is to use AI technology and complete business model based on the intelligent spray robot.





## FEATURES OF PAINTGO® INTELLIGENT AUTOMOBILE REFINISH SPRAY PAINTING ROBOT

WUHAN ONEW TECHNOLOGY CO., LTD. The world's leading intelligent painting robot technology and service provider. Aiming at the pain points of manual spray painting for automobile maintenance, we provide the overall solution of "Quality, Efficiency, Easy and Economical" spraying. Through systematic and information-based solutions, we can solve the pain points of the spraying industry and provide customers with higher value. Science and technology create value, everything will be different from traditional ones.

### Quality

PaintGo® system covers more than 1000 models worldwide, and can achieve high-quality refinishing painting of any model and multiple components. Let each painting work made by the world's top "AI painting master"

### Efficiency

PaintGo® System can realize painting and baking separation, division of labor and cooperation, and efficient operation. It has a stable pipeline rhythm. It takes 30 to 45 minutes to paint the four parts at the same time with high efficiency.

### Easy

PaintGo® System is easy to operate, without professional computer control personnel, and can be operated by ordinary staff through simple training. Reducing the dependence on professional labor can effectively improve the working environment, eliminate occupational diseases and meet the environmental protection requirements.

### Economical

The repair work ticket can be automatically imported into the terminal, and the sheet metal repair data can be processed, accurate, transparent, and the operation data can be monitored in real time. According to the QCD test of the actual work of the 4S shop, the PaintGo® System has significantly improved the refinishing painting quality and saved costs.

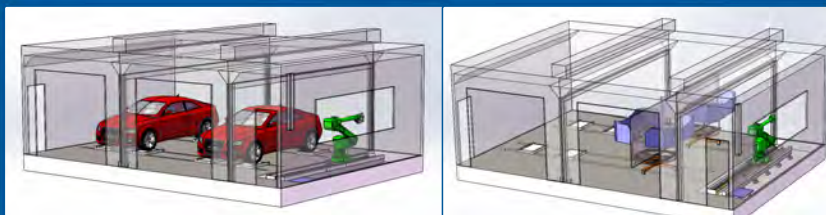


# 03

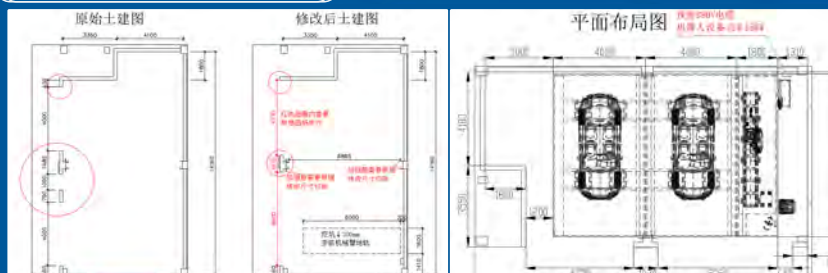
## RECOMMENDED SOLUTIONS

### Recommended solution

#### Sketch Map



#### Construction Diagram



### System characteristics

PaintGo® intelligent automobile refinish spray painting robot system can build a small painting production line. The "Composite Spray booth" process mode is composed of painting room and baking room to achieve the effect of spraying and baking separation, division of labor and cooperation, and effectively improve the work efficiency.

### Process characteristics

The working mode can be switched: the system maintenance stage can be quickly switched to the traditional manual operation mode to ensure the daily business development. Independent temperature control to ensure the quality of painting; independent extraction and exhaust system and heating system to keep the operating temperature stable, which is conducive to ensuring the quality of painting.





## Effectiveness evaluation

Assessment of the production capacity of the process mode of " Composite Spray booth " of PaintGo® System

Disassembling car parts (bumper/door panel/wing plate/front cover/rear cover)  
10 heats per shift (8h/shift, 40min/furnace)  
4 plates per heat, up to 40 pieces per day  
Single shift mode/month>800 pieces  
Double shift mode/month>1600 pieces

On-car parts (front and rear door panels and fenders on one side of the body)  
8 heats per shift (8h/shift, 60min/furnace)  
2 plates per furnace, up to 16 pieces per day  
Single shift mode/month>400 pieces  
Double shift mode/month>800 pieces

# 04

## INDUSTRIAL EMPOWERMENT





### Artificial intelligence improves brand reputation



The PaintGo® intelligent spray robot system matches the best painting process through continuous learning and database accumulation, and instantly delivers the "best painting master" through cloud database sharing, so as to improve the brand's reputation for after-sales service.

### Alternative manual spray painting



The use of PaintGo® system can make the refinish painting work more friendly and replace the traditional manual spray painting method.

### The system standardization has low comprehensive cost and expanded scale



The PaintGo® system has high stability and reliability, can work continuously, multiply or replace manual spray painting; Reduce rework rate; The 24-hour non-stop operation can centralize the processing of a large number of workpieces, increase the business volume, and double the benefits. Intensive production can also realize the centralized treatment of pollutants and solve the emission problem.

### More standardized processes and simpler management



The intelligent digital work order system assists the order distribution and tracking system, make the painting service process information more transparency and efficient.

### Unmanned maintenance factory



The PaintGo® system creates the concept of unmanned maintenance factory, accurately serves high-end and intelligent car brands, improves brand image and premium, and promotes the recognition of brand target customers.

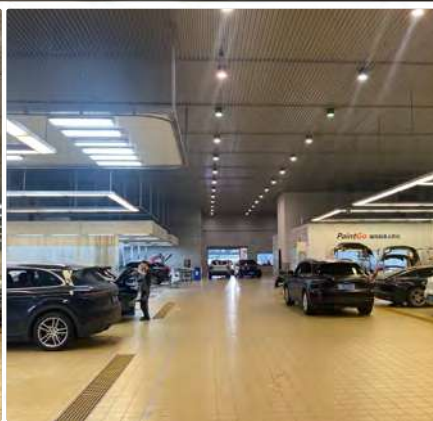


# 05

## SHOW CASE



Location : Porsche Service Centre Longgang,  
Shenzhen, Guangdong, China  
Type of spray booth: traditional standard  
spray booth(spray baking integrated)  
Start up date: 2022.1  
Monthly production capacity: 800  
pieces/set/month





**Location:** NextEV Service Center (Huangjinkou Car Repair Shop), Wuhan, Hubei, China

**Type of spray booth:** child and mother booth (separated by spraying and baking)

**Start up date:** February 2022.7

**Monthly production capacity:** 1000 pieces/set/month





# 06

## ABOUT US

On September 16, 2015, NEEQ was listed  
Stock abbreviation: ONEW Stock Code: 833549

WUHAN ONEW TECHNOLOGY CO., LTD. focuses on the technology and service provision of intelligent spray painting robot for automobile maintenance, and uses XR+technology to provide an overall solution of a technologically leading training simulator for vocational education.

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股票代码：833549

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## ENTERPRISE HONOR



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