

## HANNA Powder coating (painting) robot introduction

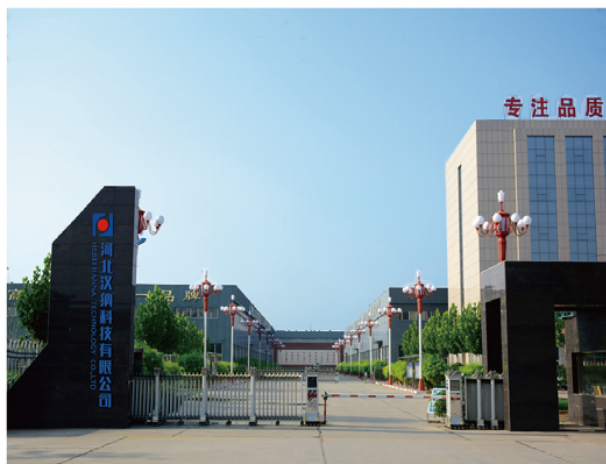
Hebei Hanna Technology Co., Ltd. is the first echelon enterprise in the robot spraying industry, specializing in R&D and sales of integrated solutions for robots in spraying equipment.

Through the introduction and absorption of advanced technology and experience in the global automation field, high-end metal surface treatment solutions have been realized and applied, which are widely used in the metal manufacturing industry, metal furniture, mechanical engineering manufacturing, metal cabinet manufacturing, metal groove panels, metal hardware Manufacturing and other fields. Exported to Europe, Asia, South America, Oceania and many other countries and regions.

# OUR HANNA



## 30+ YEARS MANUFACTURE



Hanna robot spraying exports are mainly divided into two types: drag teaching programming and visual automatic programming, which are currently the two favorites of customers.

Its specifications are as follows:

Model	LeBot MVe A6	Reach	3000 mm
Protection level	Explosion proof	Repeatability	± 3 mm at wrist
Material	Aluminum Alloy	Max.speed	1.8 m/s
Payload	3-16KG	Internal axis	6-axis
Weight	260-960KG	External axis	6

Mounting	floor,overhanged	A5 speed	200
A1 speed	140	A6speed	200
A2 speed	200	Poewr	3*480 VAC to 3*230 AVC
A3 speed	140	Controller	Lesta leCRob
A4 speed	200	Programming	Autoteach,offline(option)and/or scanner(option)

### Robotic products

1. Drag teaching programming: It breaks through the traditional robot point-to-point or offline programming mode. Workers can directly hold the robot for demonstration spraying. The robot can record and reproduce the movements of the worker. The operator has the basics of using the robot, and can quickly master the programming technology through simple learning, and truly realize the "The simplest operation" of the robot.



### Characteristics of HANNA spraying robots:

- 1, No programming is required, hand-to-hand demonstration, automatic spraying trajectory generation, convenient and fast.
- 2, The software control system developed based on the Windows system allows spraying workers who have never used robots to operate and use our spraying robots in the shortest time.

Technology:

- 3, Equipped with Windows 10 embedded operating system.

Multilingual interface, Powerful communication and networking function.



## Robotic products

2. Visual automatic programming: the use of visual sensors can automatically identify and extract the position and contour characteristics of the workpiece, and at the same time, automatically generate the spraying program according to the spraying process expert system and preset spraying rules. The whole process does not require manual intervention. Realize "unmanned programming"



# Product Description

- Equipped with Windows 10 embedded operating system.
- Multilingual interface
- Powerful communication and networking functions
- Stand field bus interface
- Configurable digital and analogue I/O
- 15" touch screen
- Optional proportional valve for spray gun control
- Built-in temperature and pressure monitoring and control system
- Optional online support system
- Standard Point to Point programming software
- Online programming functions
- Optional air conditioning unit
- Optional gun control box

- Auto-teach & Point to point programming
- Programs retrieval based on PDF schedule or pictures
- Online changes of painting parameters
- Remote supervision of paint booth with IPCAM
- External axis management
- Motor & encoder test & programming
- Interface for paint management
- Multilingual
- Profiled user access
- alarms, warnings & events log
- External database interface for MES or ERP
- Remote control via mobile device

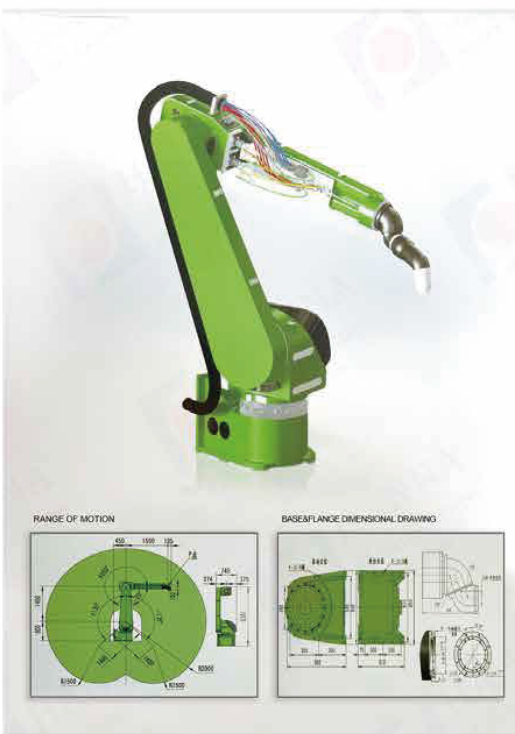
- Provides a 3D environment for the off-line creation and simulation of robot programs generated with point to point mode
- Fully integrated and Supports all LESTA robot models
- Lines and splines creation from imported CAD models.
- Lines and splines creation from points cloud acquired with the robot
- Generation of 3D curved surfaces from points cloud acquired with external devices

- Conveyor I/O management with dedicated PLC controller
- Deeply customized to the specific painting line
- Integrated with LeCRob Robot Manager
- Multiple robots interfacing
- Production logs
- Integration with ERP or MES system
- Synoptic views
- Remote supervision of loading area with IPCAM
- Multilingual
- Profiled user access
- Remote support through internet.

- Manage point to programming
- Integrated with LeCRob Robot manager and K-Manager
- Allows easy and quick creation of robot paths with manual or automatic points acquisitions
- Manage lines, splines, grid and parameters setting for each primitive.
- Parameters which can be managed are speed, acceleration, distance from surface, grid steps and orientation, paint delay and advance on surface, flow, atomization and fan speed.

- New software to manage painting of flat panel surface
- Completely integrated into LeCRob Robot manager and K-Manager
- Perfect choice to be coupled with LESTA scanner to get a fully automated painting process,
- Panel size and position independent.
- Operator must only fill the recipes parameters in grid and edge format, and then choose the painting sequence.

## HANNA POWDER COATING (PAINTING) ROBOT INTRODUCTION





# CUSTOMER INDUSTRY

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All robot coating solutions of Hanna Technology are individually designed to meet the individual needs of our customers. Hanna spray robot has passed the quality management system, safety certification and explosion proof certificate. To ensure that you get what you really need, our factory authorized technical team will help you deal with all the details and directly achieve your goals. From the initial design to delivery, Hanna will take care of everything. In addition, we will provide assistance in installation, fine-tuning and training until your system is ready.

HANNA company only focus on powder spraying (painting) robots.

Partner: ABB, KUKA, NACHI, YASKAWA, LESTA, SAIMO, CMA

Case 1



Case 2



Case 3



Case 4



Case 5



Case 6



Case 7



Case 8



Case 9





# CUSTOMER COOPERATION



# HANNA PARTNER SHOW





## ABOUT US



### OUR VALUES:

Our goal is try to optimize design for clients with best cost effective idea, and power up their competitiveness as much as we can. Never stop trying to refine our solutions.





**Thank you for your interest  
in Hebei Hanna Technology Co., Ltd.**

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**CONTACT US**

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