

The products in this catalogue are part of our company, please contact us for more information.



HEBEI HANNA TECHNOLOGY CO., LTD.

SURFACE COATING EQUIPMENT SPECIALIST

Hebei Hanna Technology Co., Ltd.

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Since 1990, HANNA has specialized in the design and manufacture of surface treatment equipment. We can provide you with innovative, rational and turnkey solutions.

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DIRECTORY

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MAIN PRODUCTS 11

- Semi-automatic / manual powder coating line
- Fully automatic powder coating line
- Power and free overhead conveyor system
- Powder Dip Coating Line
- Liquid Painting Line
- Electrocoating line
- Electric hoist powder coating line
- Liquid dipping line
- Spray Pretreatment
- Dip Tank Pretreatment
- Fast Color Change Booth
- Filter Recovery Booth
- Powder Curing Oven
- Conveyor System
- Electrical Control System

AUXILIARY EQUIPMENT 35

PROJECT CASE 48

CUSTOMER VISIT 80

01

FOR YOU FOREVER

With over 30 years of experience in industrial finishing systems, we would be the one to choose when you need to work with a partner who can supply industrial finishing systems for powder coating, e-coating and liquid painting.

PART ONE

COMPANY PROFILE

COMPANY

Enterprise Strength

-1990

Brand creation time

-2014

Export office established time

1000+

Served company

200+

Application industry

HANNA is a company with many years of experience in developing and selling powder coating equipment and wet painting line, from simple manual machine to fully automatic line, we are able to provide our customers with perfect cost-effective, reasonable and advanced solutions. The company has passed CE, ISO 9001 and other international quality system certifications, and the products we produce and sell have grown to dozens of series.



Lots of projects have been completed all over the world, including China; North America (USA, Canada, Dominica, Mexico); Europe (UK, Ireland, Russia, Bulgaria, Cyprus, Croatia); Australia (Australia, New Zealand); Middle East (Qatar, Saudi Arabia, Egypt); Asia (Thailand, Philippines); South America (Colombia, Chile, Argentina); Africa (Morocco, Nigeria, Algeria, Kenya, South Africa), etc.



• Powder Coating Line

• Liquid Painting Line

• Powder Dip Coating Line

• Liquid Dipping Line

• E-coating line

• Painting Line Robot Application



CORPORATE CULTURE

All of Hanna Technology's coating solutions are customized to meet the needs of our customers. To ensure that customers get exactly what they need, our technical team will help them work through all the details right up to their goal. From initial design to delivery, installation, commissioning and training, Hanna would take care of it all.

GOAL: Creat values for customer.

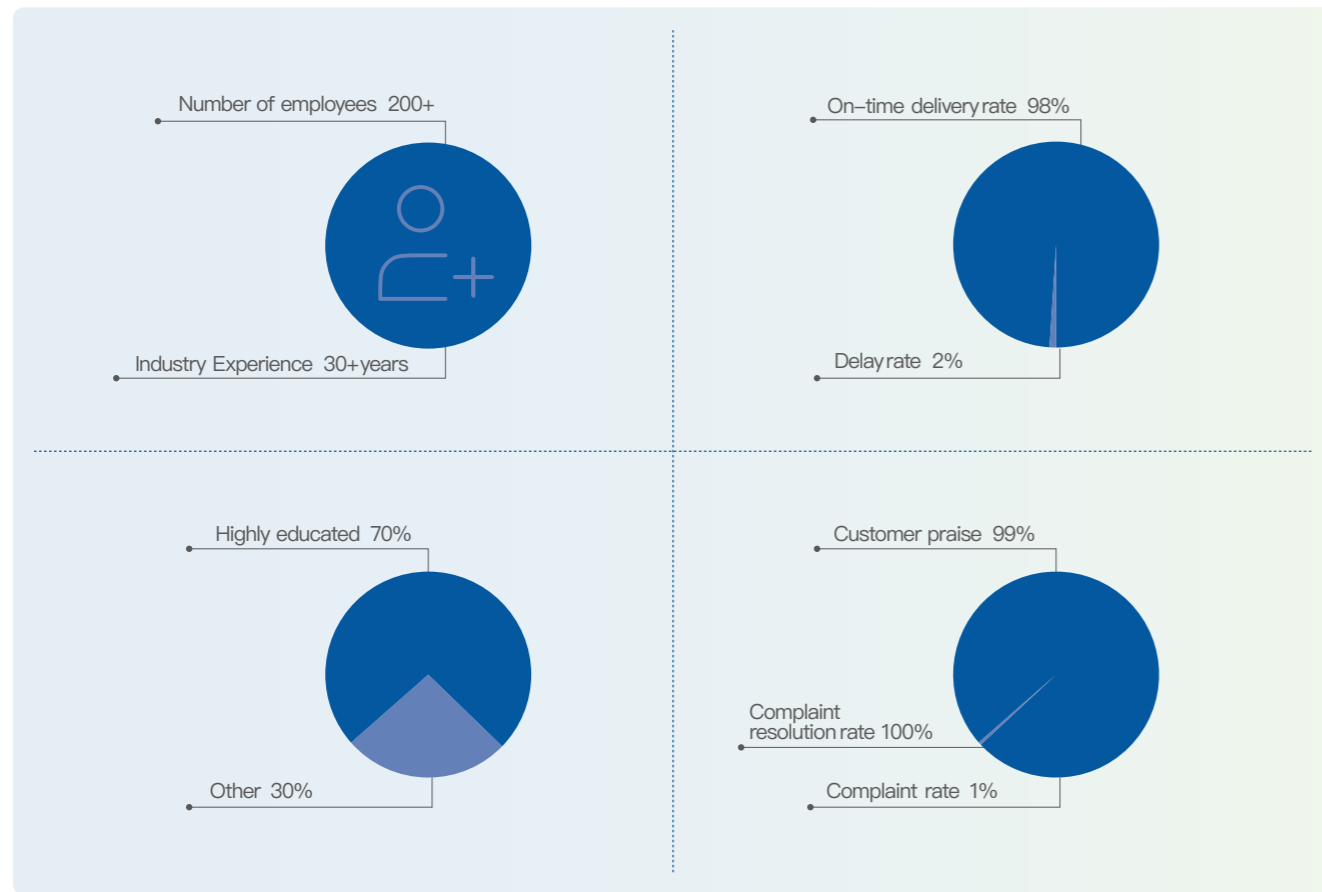
EXERT CAPABILITY: Unite people and jobs, self-motivation and teamwork.

SERVICE PRINCIPLE: Help customers succeed! Satisfy customers' needs in all aspects!

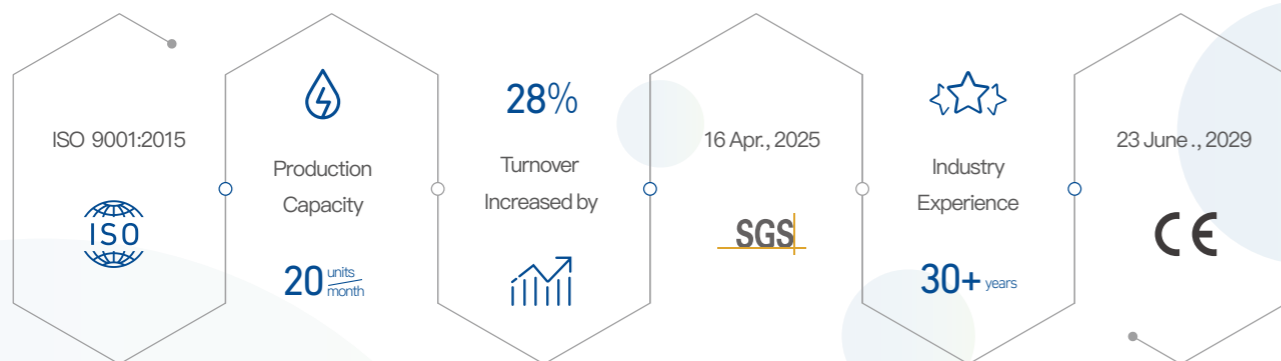
The Team Introduction

Intelligent coating equipment manufacturer

The company has excellent technology and strict, perfect quality management system, 30+ years of experience in the industry, and gathered professional technical engineers, first-class research and development team. Hebei Hanna Technology Co., Ltd has 4 main workshops, including Sheet-metal Workshop, Machining Workshop, Surface Coating workshop and Assembling Workshop. We have all kinds of high-tech equipments in our workshop, like laser cutting machine, laser welding machine, CNC shearing machine, PP forming machine, punching machine, bending machine, etc. All these equipments ensure on time delivery with best quality. We make full use of new materials to ensure the stability and reliability of equipment.



▲ Data Statistics



Corner of the factory

Welcome to Hinah, your preferred manufacturer of intelligent surfacetreatment equipment



Carefully designed layout ensures optimal placement of production equipment to maximize efficiency. Equipped with the latest production machinery and tools to support efficient and accurate manufacturing operations. Strict quality control procedures and safety standards to ensure regulatory compliance and a safe working environment.

• Cargo storage area

Ensure that each piece of equipment has an appropriate storage location to maximize space efficiency. Equipped with specialized packing materials to protect equipment from damage or corrosion. Advanced security features and real-time monitoring are used to ensure equipment is safe and secure during storage.



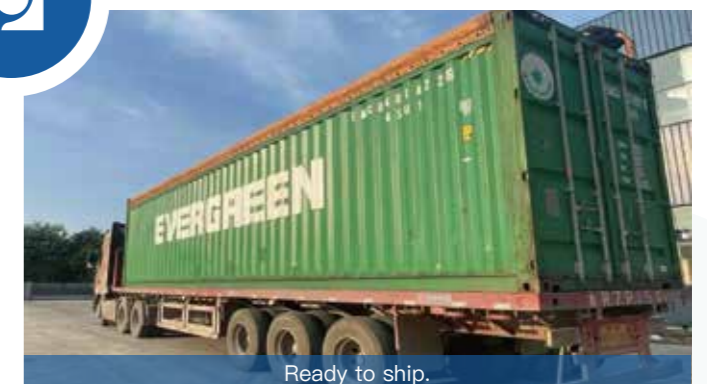
Good sorting and labeling of goods



Security and protection



Loading containers



Ready to ship.

After-sales Service

Intelligent coating equipment manufacturer

LIVE SHOOTING

To serve our customers much better, Hanna gathered professional technicians and experienced maintenance personnel and we established full stocks spare parts system to ensure the timely supply of equipment spare and wear parts.



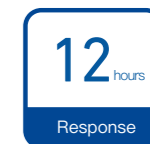
At the same time, HANNA promises to train operators, maintenance personnel and technicians, implement "one-year warranty and lifelong maintenance", and guarantee to contact you within 24 hours after receiving maintenance requests to pursue the whole process of service quality.



PART OF THE PATENT CERTIFICATE



- The warranty period of our equipment is one year, and we will replace the original equipment (parts) free of charge in case of quality problems during the warranty period.
- We will provide comprehensive after-sales service for customers after the warranty period expires.
- When you leave us a message online, our after-sales team will contact you within 12 hours, and we have experienced technical staff to serve you by phone, e-mail, video, etc.
- We have the ability to provide you with project consulting services, troubleshooting and other technical support services until your problem is completely resolved.



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Welcome to contact us

COOPERATION PROJECTS

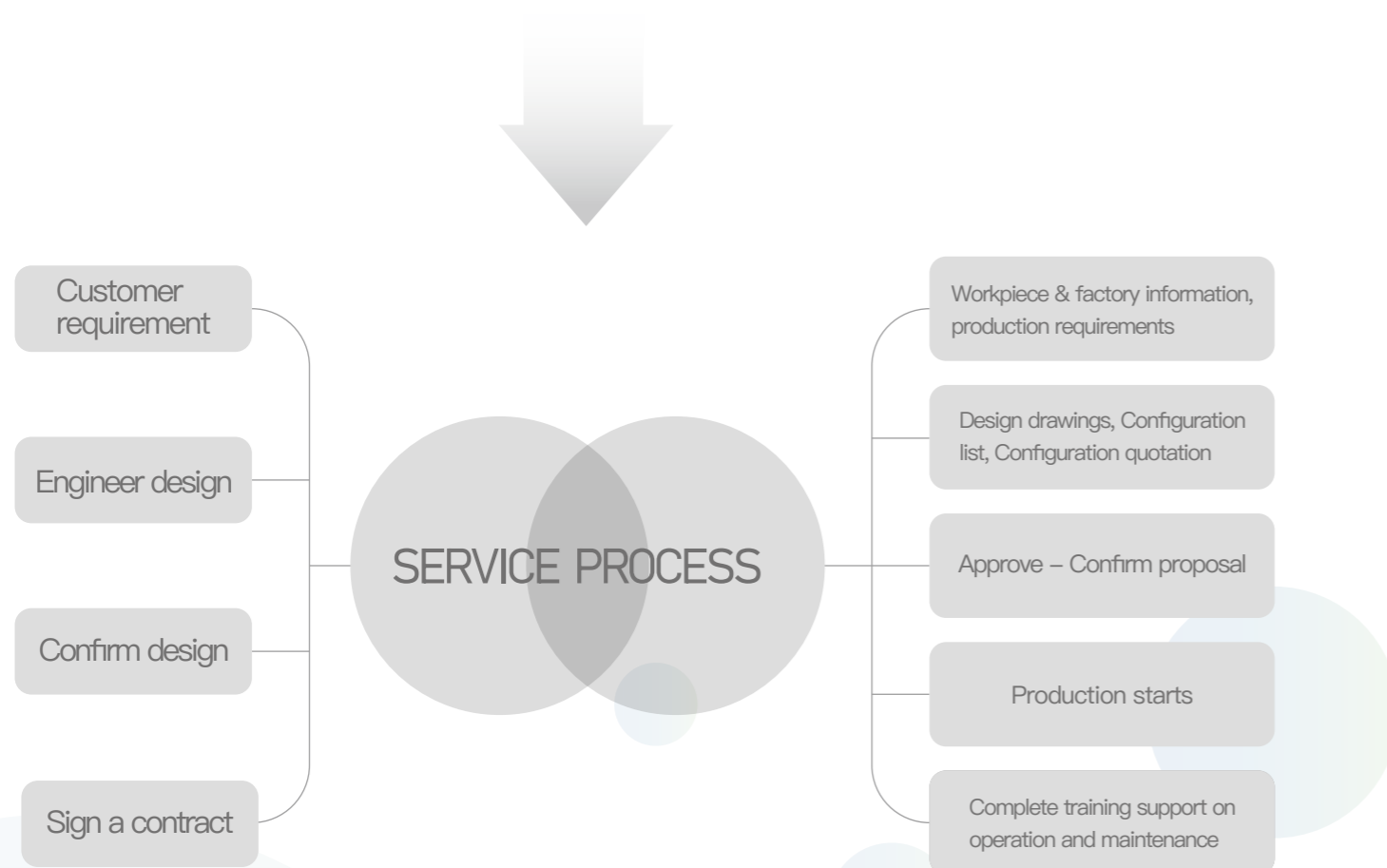
About the partners and customers of Hebei Hanna Technology Co., Ltd.



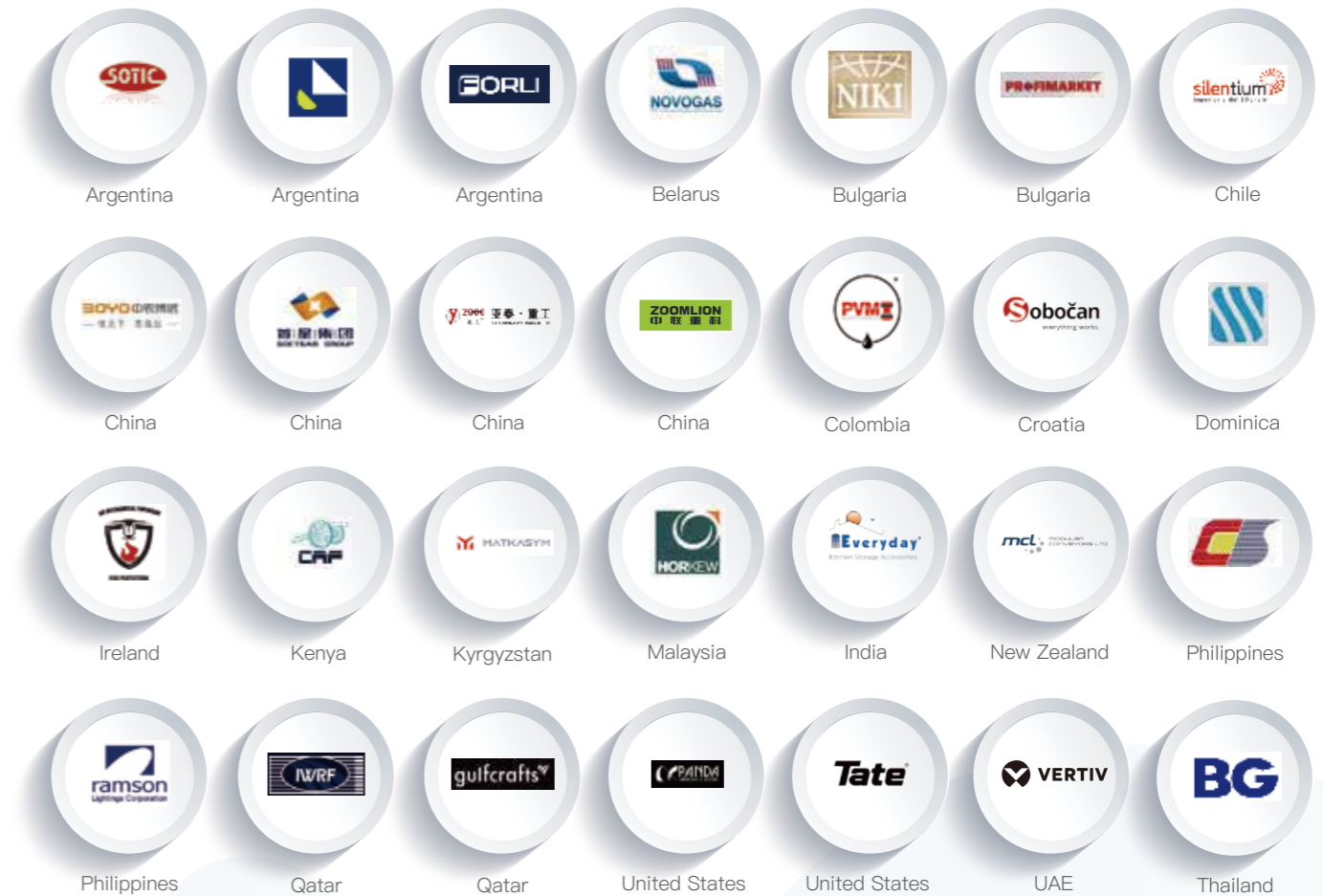
OUR PARTNER ★★★★★



PROCESS OF COOPERATION WITH CLIENTS



OUR CUSTOMERS ★★★★★



02

FOR YOU FOREVER

Each product is carefully designed and rigorously tested to ensure superior coating performance and long-lasting durability for a variety of applications. Our quality assurance system ensures that every piece of equipment meets international standards, giving our customers peace of mind. Choose us and you will experience industry-leading technology and first-class service.

PART TWO

MAIN PRODUCTS

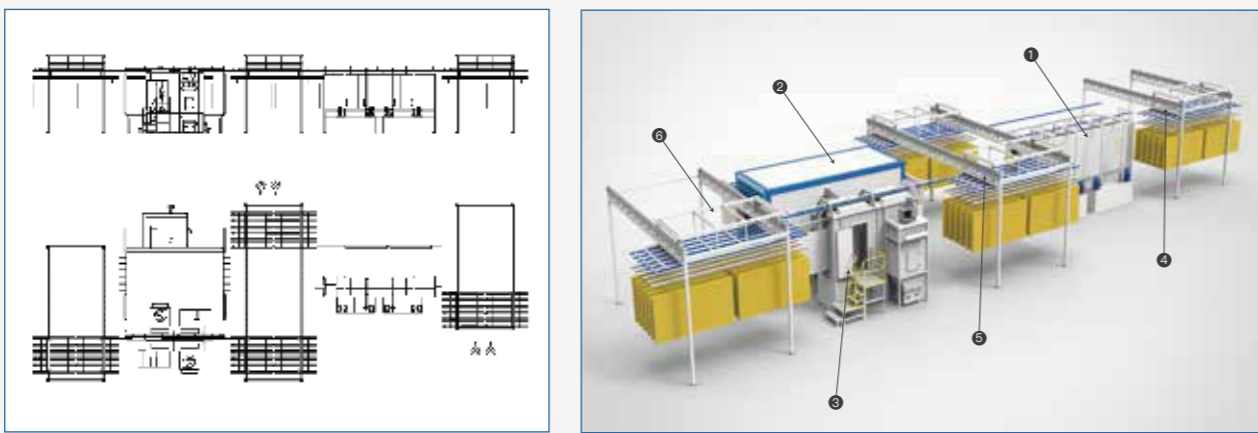
SEMI AUTOMATIC/MANUAL POWDER COATING LINE

Engineering drawings and 3D drawings

Based on your daily production, manpower requirement and budget, semi-automatic powder coating line is the most suitable one for small scale coating plant.

Mode of operation: manual or semi-automatic.

We will collect your product and factory details, daily production capacity, then we will provide an initial design.



- ① Spray pre-treatment
- ② Drying and curing furnace system
- ③ Double filter powder spray room
- ④ Loading carriage
- ⑤ Transfer and unloading carriage
- ⑥ Transfer carriage

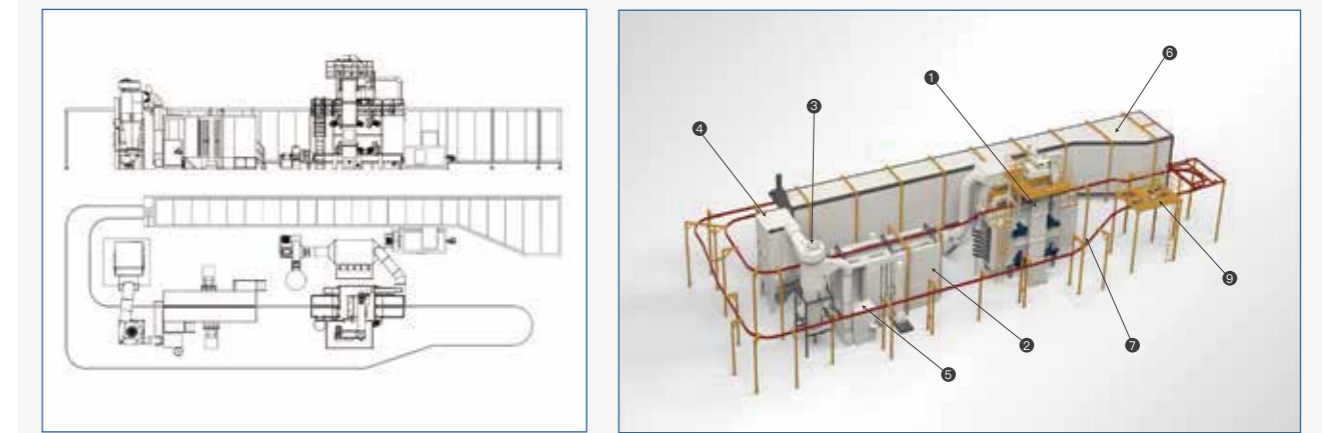


AUTOMATIC POWDER COATING LINE

Engineering drawings and 3D drawings

High production efficiency, suitable for large capacity, save labors. Low maintenance, stable performance. Continuous automatic powder coating lines are integrated systems of machinery capable of high production, The process is fully automated.

Every single line is customised to suit a client's needs in relation to capacity required, the technological process and the quality of the coating.



- ① Shot blasting pre-treatment
- ② Powder spraying room
- ③ Large cyclone recovery device
- ④ Secondary filter element recovery device
- ⑤ Powder supply center
- ⑥ Curing oven system
- ⑦ Conveyor chain
- ⑧ Chain tensioner
- ⑨ Chain drive

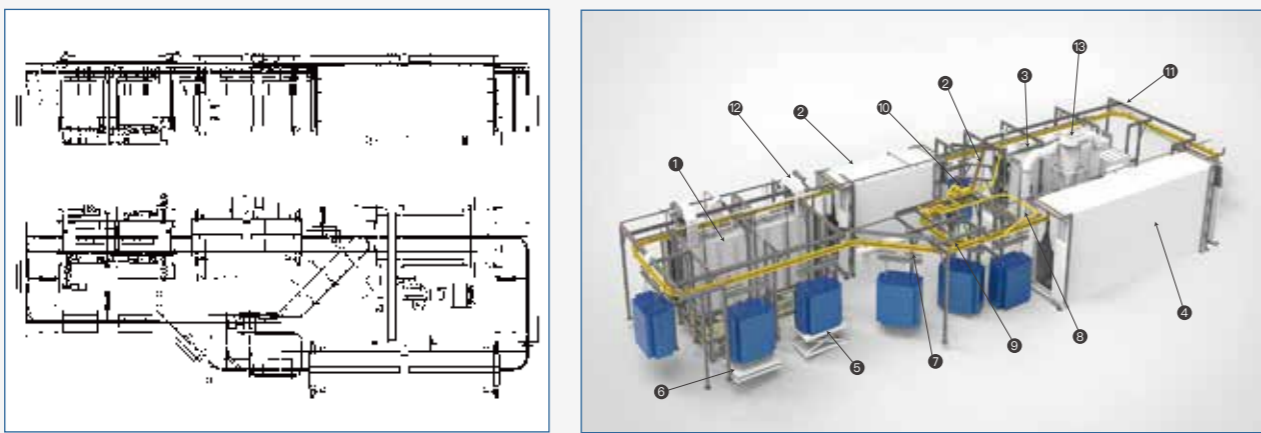


POWER AND FREE CONVEYOR SPRAYING LINE

Engineering drawings and 3D drawings

Power and free conveyors are based on a double track system. One track is used for the drive chain that is constantly moving on the track. While the other track accommodates product carrier trolleys. At the same space, push rods are mounted on the drive chain to pull the trolley around the system. The pusher form an interconnected connection to the trolley, which can be disengaged when required.

Energy consumption reduce by half, No phenomenon like creeping and jittering on the entire suspension conveyor system.



- | | | |
|--------------------------------------|--|---------------------------------|
| ① Spray pre-treatment | ⑥ Unloading elevator | ⑩ Workpiece return spray track |
| ② Drying furnace system | ⑦ Accumulation trolley pendant beam assembly | ⑪ Power and free conveyor track |
| ③ Large cyclone powder spraying room | ⑧ Power and free conveyor traction track | ⑫ Moisture drainage pipe |
| ④ Curing furnace system | ⑨ Power and free conveyor load-bearing track | ⑬ Large cyclone dust collector |
| ⑤ Loading elevator | | |

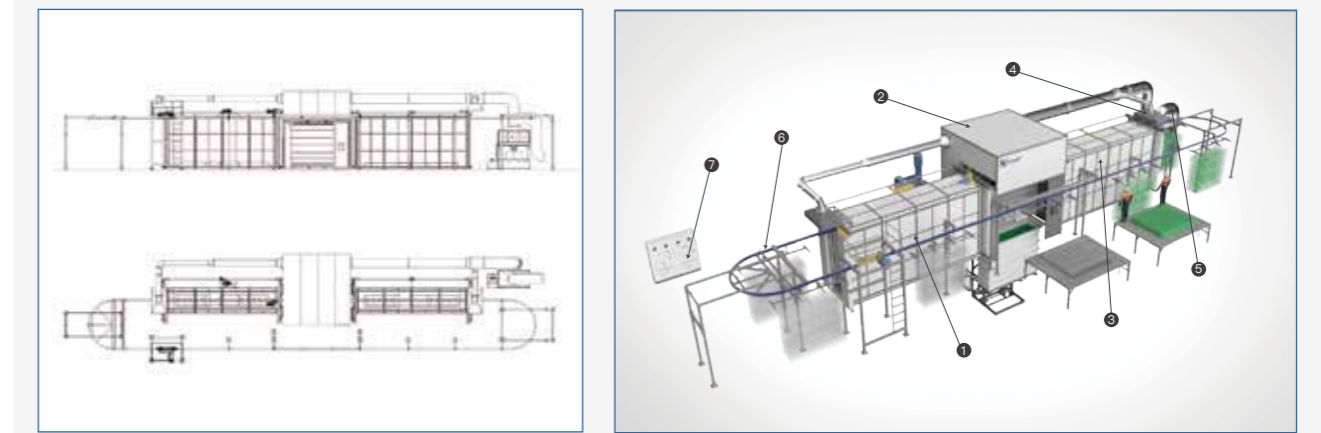


POWDER COATING DIPPING LINE

Engineering drawings and 3D drawings

Application scope of powder coating dipping line: highway fence, railway fence, farm garden fence, municipal fence, bars, refrigerator grids, air-conditioning nets, supermarket shelves, etc.

Performance characteristics: high degree of automation, reliable operation, low maintenance cost. High output production efficiency, consistent coating mass production and precise and controllable coating thickness.



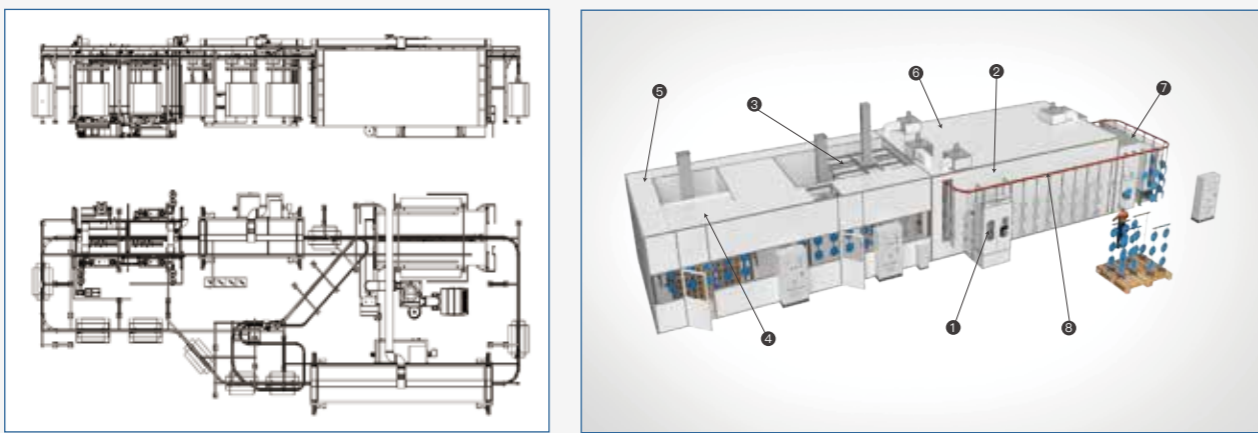
- | | | |
|------------------------------------|--|----------------------------|
| ① Preheating furnace system | ④ Exhaust air collector | ⑥ Conveyor chain |
| ② Automatic plastic dipping system | | |
| ③ Curing furnace system | ⑤ Exhaust air and dust purification device | ⑦ Electric control cabinet |



LIQUID PAINTING LINE

Engineering drawings and 3D drawings

Spray Effect: Fast spraying speed, uniform coating, high efficiency, low energy consumption, and increased production output. **Retractable Paint Booth:** retractable paint booths are suitable for painting large, medium, and small workpieces. They can be adjusted according to production output, featuring compact equipment structure and easy operation. **Fully Automatic Conveyance:** Developed auxiliary automatic shifting device for loading and unloading to accommodate differences between long and short materials, with fully automatic process control.



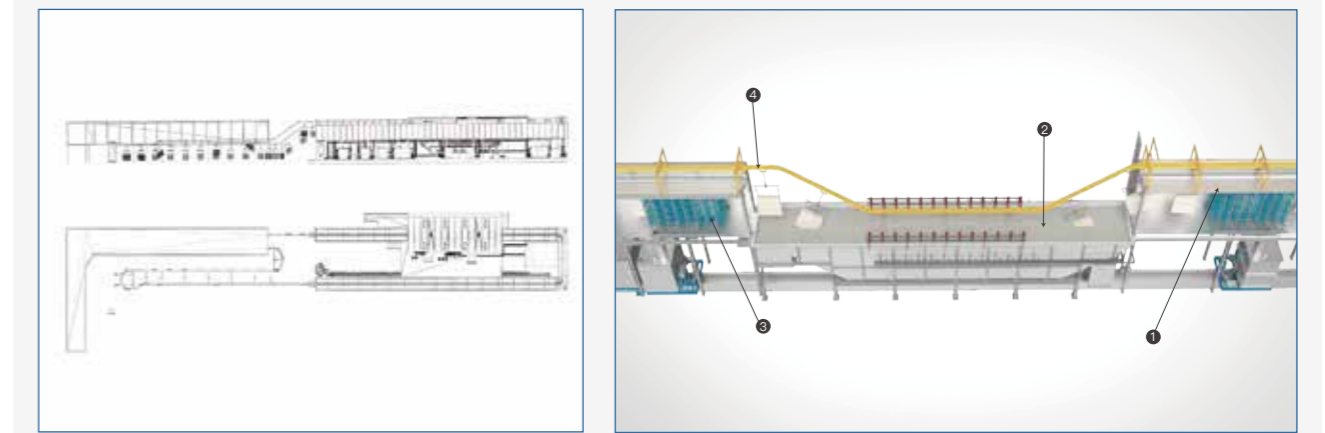
- ① Workpiece dust removal system
- ② Drying furnace system
- ③ Ω spray painting room
- ④ Robot spraying room
- ⑤ Flash drying room
- ⑥ Curing furnace system
- ⑦ Forced cooling room
- ⑧ Conveyor chain



ELECTROCOATING LINE

Engineering drawings and 3D drawings

High efficiency: The electrophoretic coating line can realize continuous or intermittent automatic production, which improves the production efficiency and quality stability. **Excellent performance:** The electrophoretic coating line can make the coating uniform, dense and smooth on the surface of the object to be coated, with good adhesion, corrosion resistance, wear resistance and other properties. **Energy saving and environmental protection:** The electrophoretic coating line adopts closed cycle spraying system, meets the requirements of environmental protection.



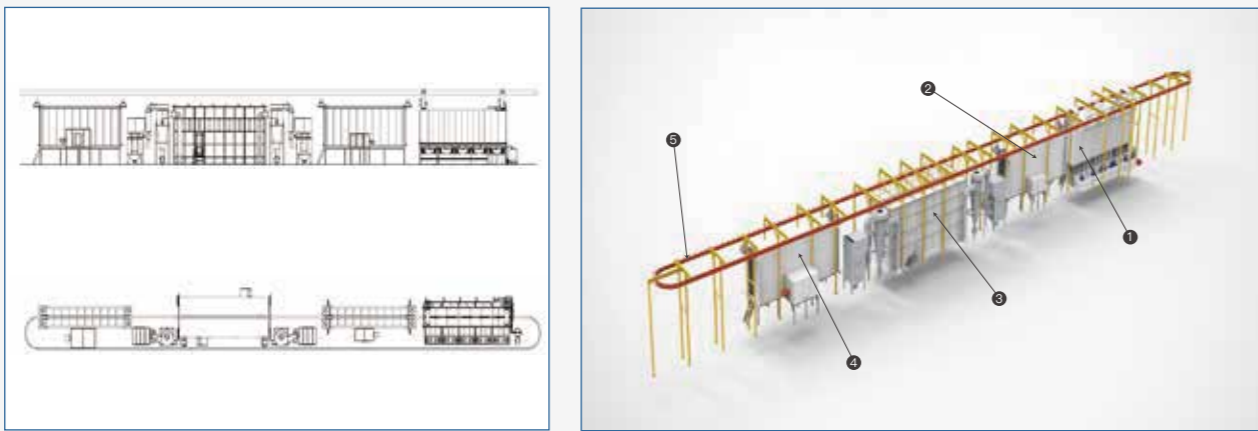
- ① Spray pre-treatment
- ② Electrophoresis system
- ③ Spray ultrafiltration
- ④ Conveyor chain



ELECTRIC HOIST POWDER COATING LINE

Engineering drawings and 3D drawings

Circulation conveying systems. Heavy workpieces and the need for easy lifting and lowering.
 High-throughput applications. Easy forward and backward movement on the track.
 Easy remote control, manual or programmable. Flexibility to adjust throughput by adding or removing trolley cranes from the production line. Troubleshooting to avoid line stoppages.



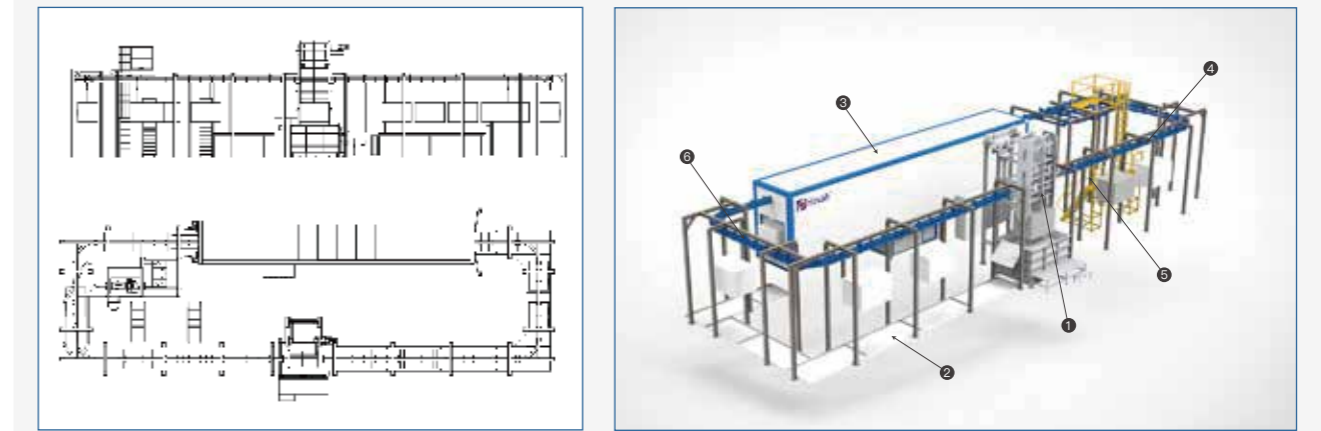
- ① Spray pre-treatment
- ② Drying oven system
- ③ Double cyclone powder spraying room
- ④ Curing oven system
- ⑤ Electric hoist track system



LIQUID DIPPING LINE

Engineering drawings and 3D drawings

High level of automation, reliable operation, low maintenance costs.
 High production efficiency with precise control system ensuring consistent coating batch production and accurate thickness control.
 Wide applicability, our coating lines can accommodate workpieces of various sizes and shapes.



- ① Automatic varnishing system
- ② Paint receiving tray
- ③ Curing oven system
- ④ Unloading ladder
- ⑤ Loading ladder
- ⑥ Conveyor chain



SPRAY PRETREATMENT

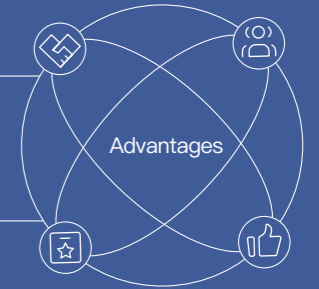


AUTOMATIC SPRAYING PRETREATMENT

SPRAY PRETREATMENT

DESIGN CONCEPT / About Product Design

- Batch production, high efficiency
- Recycle system help to save the chemical and water
- Clean working environment, environmental protection
- Pressurized spraying of chemicals ensures that the parts are coated and washed



MATERIAL USED / About the product material

<p>PP MATERIAL Spray shed body</p> <p>Economical, Corrosion resistant</p>	<p>STAINLESS STEEL 304 Spray shed body</p> <p>Durable, Corrosion resistant</p>	<p>STAINLESS STEEL 316 Spray shed body</p> <p>Excellent corrosion resistance, high temperature resistance</p>
<p>PLATE HEAT EXCHANGER Tanks (washing tank/Chemical liquid tank)</p> <p>Easy cleaning, space saving, easy maintenance</p>	<p>TUBE HEAT EXCHANGER Tanks (washing tank/Chemical liquid tank)</p> <p>Simple structure, easy operation, low heat loss</p>	<p>316 PUMPS Tanks (washing tank/Chemical liquid tank)</p> <p>High corrosion and abrasion resistance</p>



DESCRIPTION

Automatic spraying pretreatment

In order to remove grease, welding dirt and other dirt on the surface of the raw material before painting, apply a certain pressure and temperature cleaning chemical on the surface of the material. These processes are called Pretreatment.



DIP TANK PRETREATMENT

DIP TANK PRETREATMENT

DIP TANK
PRETREATMENT



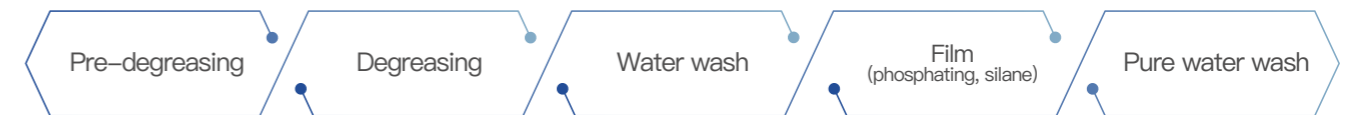
DESIGN CONCEPT / About Product Design

- Shorten system lines to save space
- Automatic gantry system, high efficiency
- Simple equipment structure, small investment
- Stronger cleaning of grooves and edge sections



TECHNICAL DESCRIPTION / About Product Design

The surface of the workpiece must be completely clean if you want to get the perfect powder coating performance. A perfect pretreatment process could help the powder bond to the metal surface. The metal coating surface will be smooth and the erosion resistance will be longer.

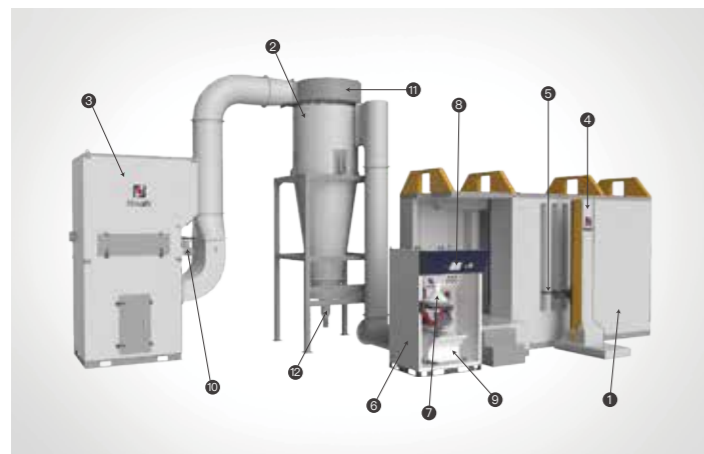


pretreatment

FAST COLOR CHANGE BOOTH

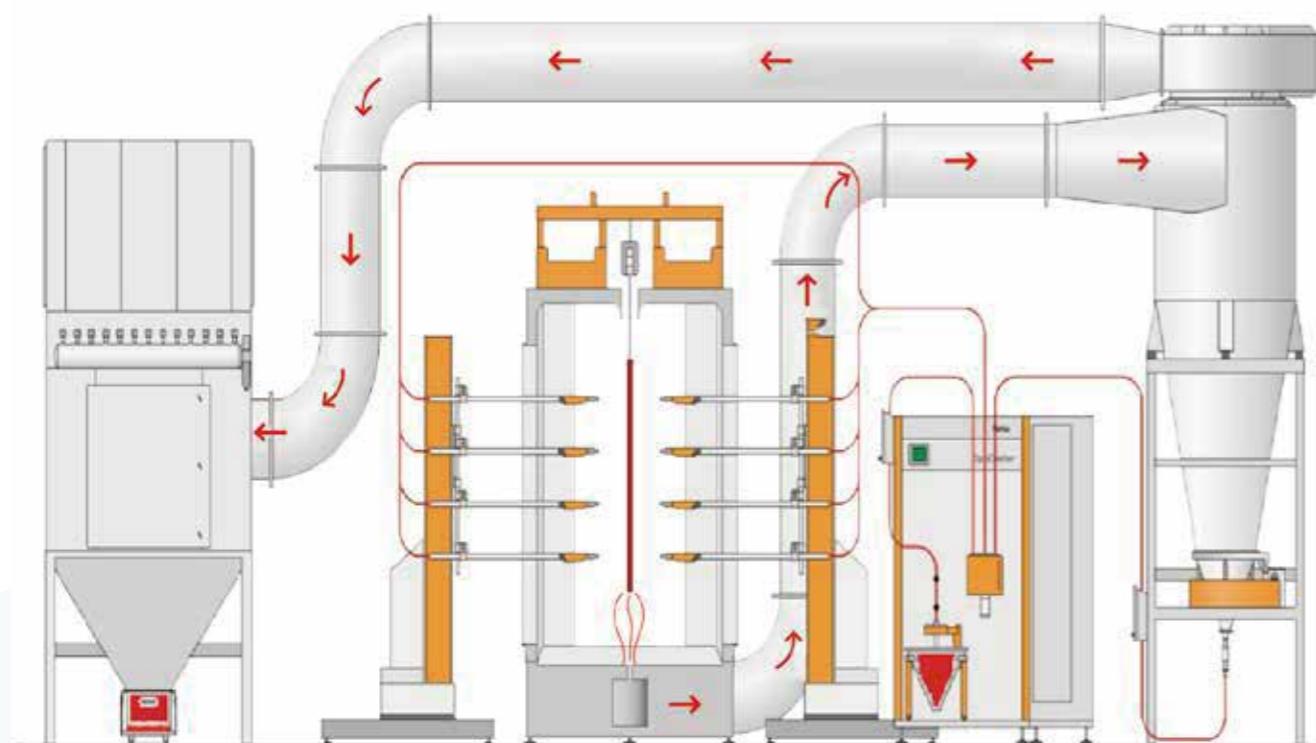
Powder recovery efficiency high as 99.2%

HIGHLY INTELLIGENT, HIGHLY ACCURATE



Part of the electrostatic powder missing the target will fall by gravity, and drive to move by the micro-negative pressure at the groove, then directly move into the filter recovery unit. The spray room floor can be able to avoid powder accumulation and easy to clean. No dust spill out, Minimum powder waste.

- ① Powder Coating Booth
- ② Cyclone System
- ③ Secondary Filter System
- ④ Reciprocator
- ⑤ Coating Gun Rack
- ⑥ Powder Feeding Center
- ⑦ Vibrating Sieve
- ⑧ HMI Touching Screen
- ⑨ Powder Silo
- ⑩ Filter Cleaning Device
- ⑪ Resistance Reducer
- ⑫ Powder Recovery Pipe



BASIC PROCESS FLOW / About Fast Color Change Booth



- Energy Efficiency
- Uniform Coating
- Environmentally Friendly
- Easy Operation
- High Recovery Rate

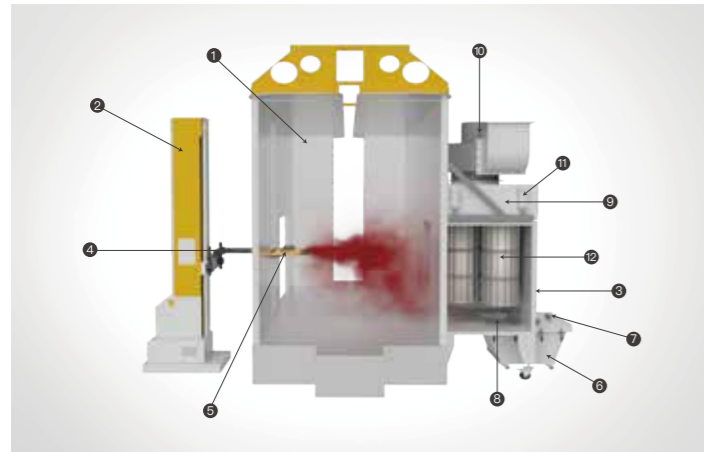
No dust spill out, Minimum powder waste. Quick color change (10-15 minutes automated color change), Multi-color change design. Powder Recovery Efficiency high as 99.2%. Fully consider color change system work, easy to clean, labour-saving. Beautiful appearance, fine workmanship.



FILTER RECOVERY BOOTH

Environmental protection and energy saving

HIGHLY INTELLIGENT, HIGHLY ACCURATE



Allowing the operator to move freely, making the spraying operation more flexible and able to easily cope with various shapes and sizes of workpieces. By adopting high-pressure spraying technology, the powder coating can be completely mixed with air to form a uniform powder cloud, thus realizing uniform spraying on the surface of the workpiece.

- ① Powder Coating Booth ④ Coating Gun Rack ⑦ Powder Feeding Port ⑩ Negative pressure fan
- ② Reciprocator ⑤ Powder Coating Gun ⑧ Powder Recovery Door ⑪ Quick Release Cylinder
- ③ Recovery Filter Box ⑥ Powder Silo ⑨ Negative Pressure Chamber ⑫ Filter



BASIC PROCESS FLOW / About Filter Recovery Booth



The filter recovery system effectively collects and recovers powder coating material that does not adhere to the workpiece, reducing material waste and lowering coating costs. The filter system prevents powder buildup in equipment and ventilation systems, reducing the frequency of equipment maintenance and cleaning. With an efficient recovery system, downtime is minimized, ensuring continuous production line operation and efficiency.



POWDER OVEN

Powder Curing Oven

HIGHLY INTELLIGENT, HIGHLY ACCURATE

Hot Products

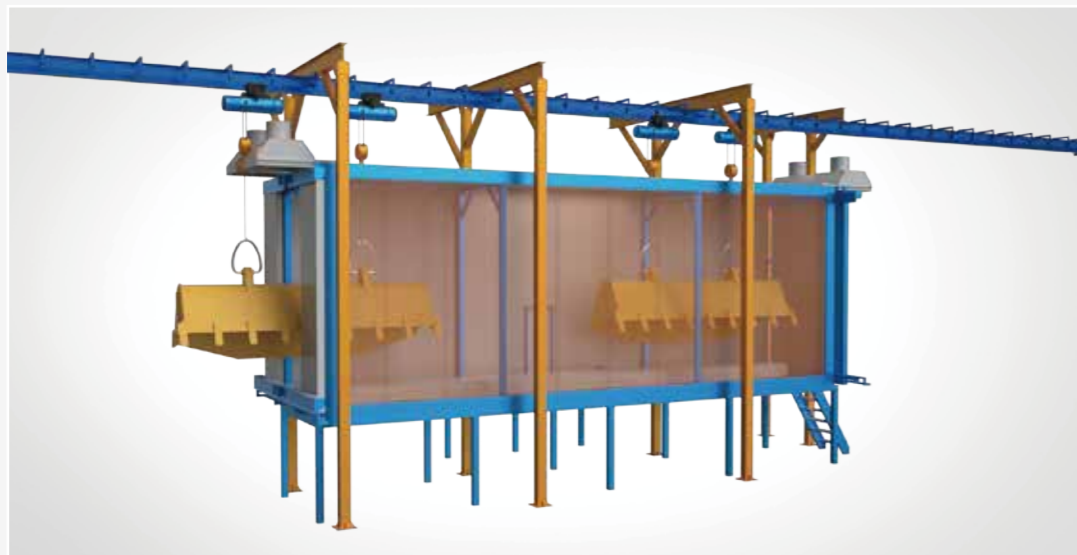
Tunnel Curing Oven

Camel Back Curing Oven

Batch Curing Oven

1) Tunnel Curing Oven

Hanna Curing Oven Features: Power Mode: CNG/LPG/Diesel/Electric, High Degree Of Safety



This structure get a significant design on wind curtain at both ends to efficiently prevent heat to dissipate out of oven. this is our patent. High degree of Safety, the heat source that links to the curing tunnel, will automatically ventilates first, then ignites to eliminate safety hazards. Gas burner type, heat 100% flow into the furnace, high efficiency, no waste.



2) Camel Back Curing Oven

High thermal efficiency: small heat loss, efficient use of energy, reduce operating costs.



3) Batch Curing Oven

Excellent durability and reliability, Gives low-maintenance design.



CONVEYOR System

HIGHLY INTELLIGENT, HIGHLY ACCURATE

1) Power And Free Conveyor

Hanna Curing Oven Features: Power Mode: CNG/LPG/Diesel/Electric, High Degree Of Safety



We can provide a variety of conveying forms, including ordinary slides, automatic chains, power and free conveyors, cross chains, etc. High-quality brand bearings make our conveying smoother, saving you energy and time and reducing maintenance times during equipment operation.



Hot Products

Tunnel Curing Oven

Camel Back Curing Oven

Batch Curing Oven

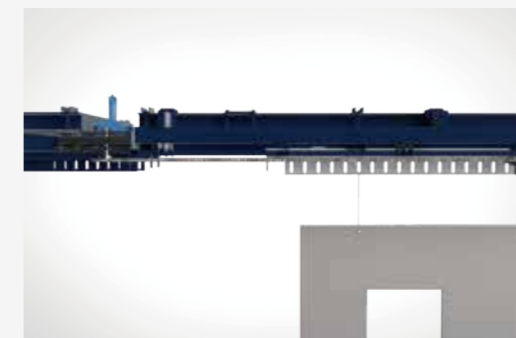
2) Automatic Conveyor

High thermal efficiency: small heat loss, efficient use of energy, reduce operating costs.



3) Manual Conveyor System

Excellent durability and reliability, Gives low-maintenance design.



CONTROL SYSTEM

Electrical Control System

Excellent durability and reliability

HIGHLY INTELLIGENT, HIGHLY ACCURATE

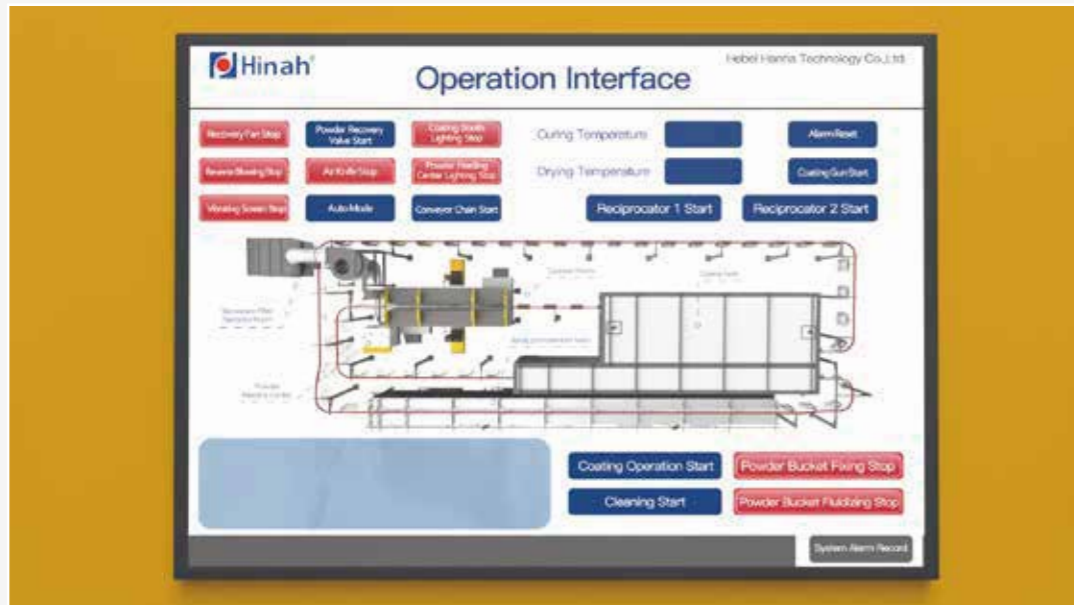
Powder Supplying Center

Electric control cabinet

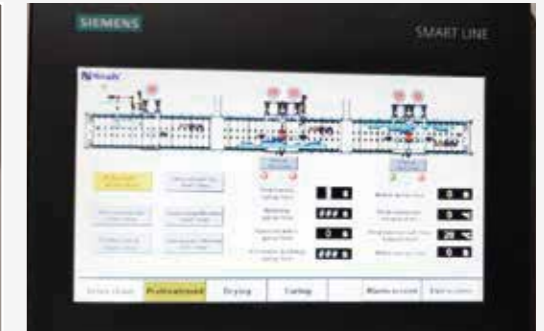
Electrical Control System

1) Electrical Control System

Siemens color touch screen: intuitive graphical touch operation, setting of actual parameters of the spraying equipment can be completed on the screen, standby system diagnosis function and storage of alarm information.



The electrical control system improves the production efficiency, work safety and stability of spraying quality.



Through the visual touch screen, you can easily control the entire complex spray system, and all the operating parameters are at a glance. Fault diagnosis, data preservation and process parameter recording are all easily achieved.



EQUIPMENT

Auxiliary Equipment



Auxiliary Loading And Unloading System



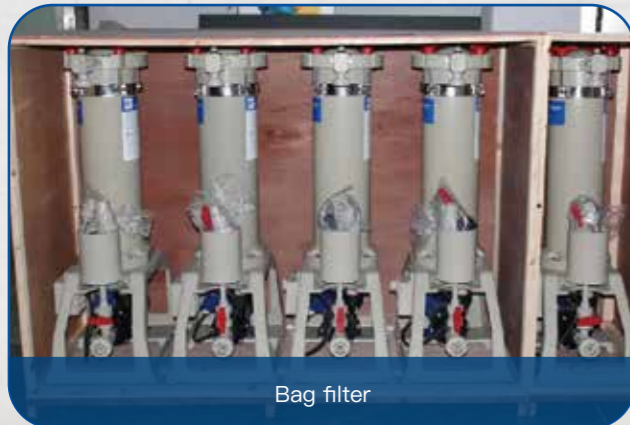
Robot Arm Painting



Slag removal machine



Air Compressor



Bag filter



Boiler



waste water treatment plant



D.I Plant



Automatic Chemical Feeding Machine



Industrial Burner



Paint Residue Automatic Removal System



Ultra Filtration System

03

FOR YOU FOREVER

Automation in surface treatment process is getting more and more popular. Hanna has made the automation in every aspect of metal surface treatment. From automatic loading and unloading design to remote control pretreatment process, from pulse valve control pressure air cleaning to robot coating program, from power and free conveyor to optical grating and QR code route control system, we are always on the way to improve our technical solutions.

PART THREE

PROJECT CASE

PROJECT CASE

Professional Design

Part of HANNA's construction site

TECHNOLOGY MAKES PAINTING SMARTER



Hanna Technology never stop moving forward in surface treatment industry field, we keep connecting with famous brands in the world, to refine our work. Our goal is to optimize design for customers with best cost effective solution, and power up their competitiveness as much as we can.

Manual Powder Coating Linewith Dip Tank Pretreatment New Zealand



Semi-Automatic Powder Coating Line UK



Semi-Automatic Powder Coating Line Croatia



Manual Powder Coating Line Belarus



Manual Powder Coating Line Philippines



Manual Powder Coating Line Russia



Manual Powder Coating Line Ireland



Automatic Powder Coating Line Romania



Automatic Powder Coating Line Tajikistan



Automatic Powder Coating Line United Arab Emirates



Automatic Powder Coating Line Argentina



Automatic Powder Coating Line Bulgaria



Automatic Powder Coating Line Bulgaria



Automatic Powder Coating Line Bulgaria



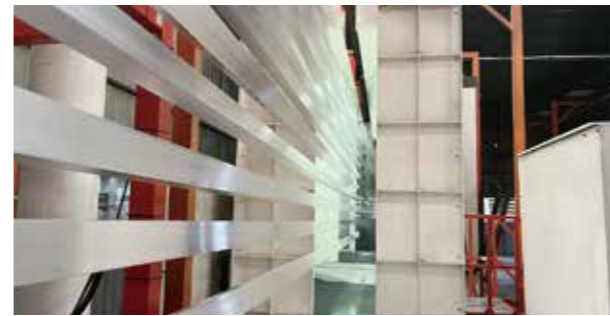
Automatic Powder Coating Line Philippines



Automatic Powder Coating Line Saudi Arabia



Automatic Powder Coating Line Kenya



Automatic Powder Coating Line United Arab Emirates



Automatic Powder Coating Line Algeria



Automatic Powder Coating Line Bangladesh



Automatic Powder Coating Line USA



Automatic Powder Coating Line Malaysia



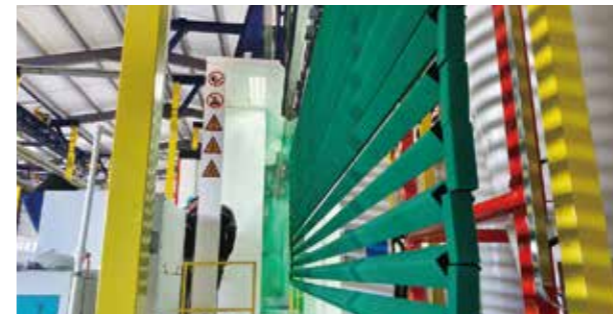
Automatic Powder Coating Line Dominican



Power And Free Overhead Conveyor System USA



Power And Free Overhead Conveyor System Algeria



Power And Free Overhead Conveyor System New Zealand



Power And Free Overhead Conveyor System Croatia



Power And Free Overhead Conveyor System Saudi Arabia



Power And Free Overhead Conveyor System Croatia



Power And Free Overhead Conveyor System Russia



Power And Free Overhead Conveyor System Türkiye



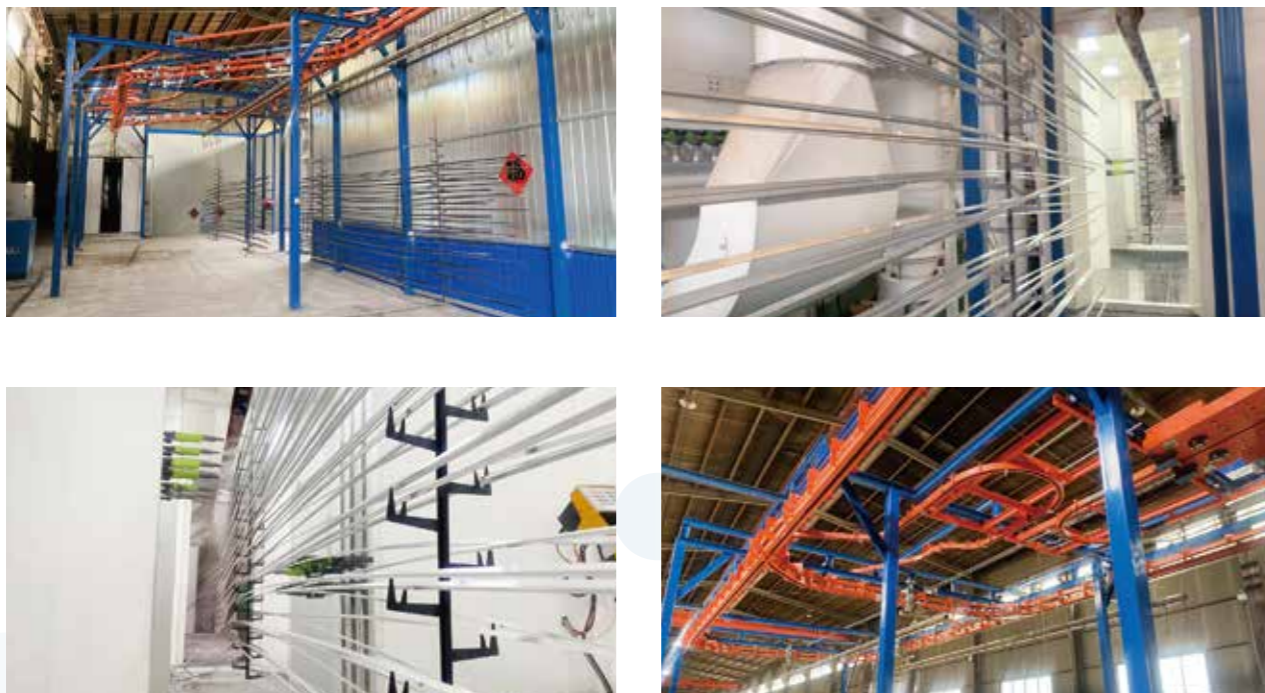
Power And Free Overhead Conveyor System China



Power And Free Overhead Conveyor System China



Power And Free Overhead Conveyor System China



Power And Free Overhead Conveyor System China



Powder Dip Coating Line Thailand



Powder Dip Coating Line Russia



Powder Dip Coating Line Thailand



Powder Dip Coating Line China



Electrocoating line Indonesia



Electrocoating line Philippines



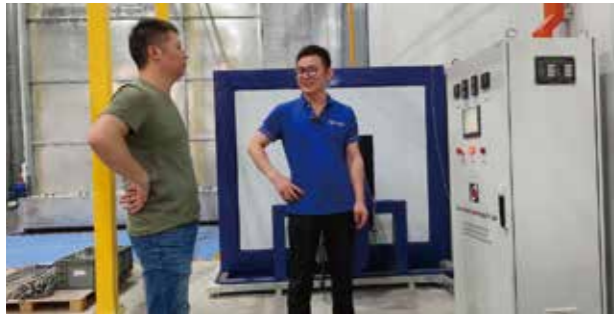
Electrocoating line China



Electrocoating line China



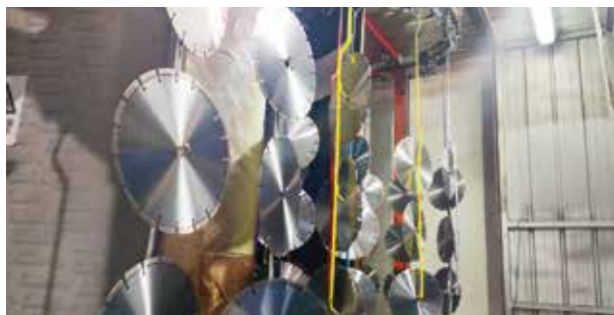
Liquid Painting Line Malaysia



Painting Line Robot Application China



Powder Dip Coating Line Philippines



Liquid dipping line Indonesia



04

PART FOUR

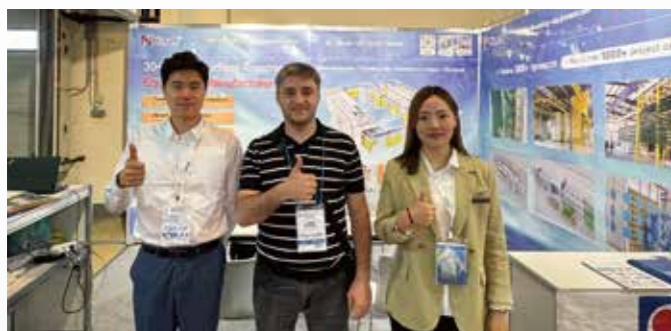
EXHIBITIONS AND
CUSTOMER VISITS

FOR YOU FOREVER

Design–Production–Installation–Maintenance
We can provide you with innovative, logical and turnkey solutions. A better combination of quality, value and support in the surface finishing industry.

EXHIBITION

Partial excerpt



METALLOBRABOTKA 2024



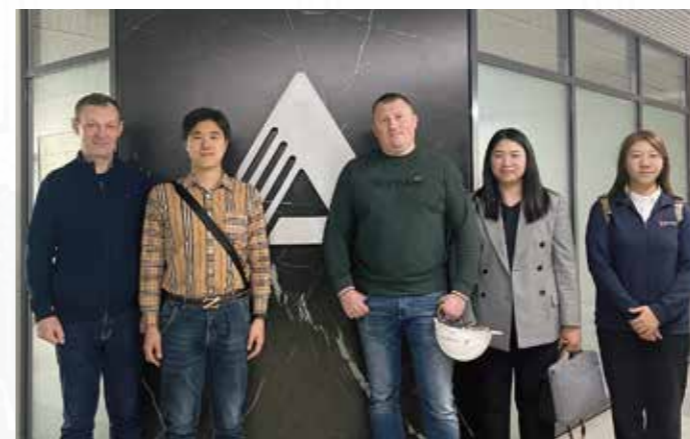
Paint Expo 2024



Expo Coating 2023



ISTF Expo 2023



Visit Clients

Professional Design · Independent Research and Development · Customization

Provide the best surface treatment solution

TURN-KEY SERVICE

If you need powder coating line, pls tell us the following specifications:

- 1.The material of workpiece.
- 2.The size of workpiece.
- 3.The weight of workpiece.
- 4.What about of daily output(one day=8hours, one month=30days)?
- 5.Which heating power do you prefer: electric, gas, diesel, or others?
- 6.The size of factory(length, width and height)?

——We could provide customized design according to the customers' requirements.

COOPERATION

RECOGNITION FROM THE CUSTOMER

Welcome to HANNA ——

