

JI HENG TECHNOLOGY

Industrial Coating Systems, Custom Spray Booths & Environmental Equipment



English Product Catalog | Jiangsu Jiheng Technology Co., Ltd.

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Translation note: This English edition translates and reorganizes the substantial product text and headings in the supplied editable brochure. It is not a certified line-by-line translation or a reconstruction of the original page design. Source performance claims are labeled; project values and destination-market compliance require separate documents.

01 Company and Engineering Approach

Original brochure spreads 1-3

Jiangsu Jiheng Technology Co., Ltd. is located in Yancheng, Jiangsu Province, near the Yellow Sea. The company researches, manufactures and installs coating and environmental-protection equipment. It provides one-stop service from concept and design through manufacture, installation and commissioning.

- The source brochure describes an experienced product-design team and completed projects for multiple manufacturers.
- Its stated business philosophy is integrity, pragmatism and mutual benefit; its development philosophy emphasizes exploration, innovation and scientific progress.
- The company offers coating equipment, mobile spray booths, drying equipment, dust removal, ventilation and complete coating production lines.



Illustrative product photograph. Images may show different projects and configurations.

02 Industrial Coating Systems

Original brochure spreads 4 and 8

The brochure presents a painting-equipment series for industrial production. It describes design, manufacturing and installation as coordinated services and illustrates coating equipment across several project settings.

- Possible stages include surface preparation, application, flash-off or drying, curing and material handling.
- Manual, automated and mixed operating concepts are reviewed against the part mix and required output.
- Plant layout, utilities and process safety are confirmed before final design.



Illustrative product photograph. Images may show different projects and configurations.

03 Electrostatic Powder Coating

Original brochure spread 5

Powder spraying may use manual, automatic or combined operation. The brochure explains electrostatic application: powder particles are charged and attracted to the grounded workpiece. Unattached powder can be recovered for reuse.

- The source brochure states that powder-coating material is solid powder and claims a recovery/reuse rate of up to 98% under its described conditions.
- It also describes suspended conveying, a high degree of automation and the possibility of a thick coating in one application.
- The 98% figure is a brochure claim, not a guaranteed value for a new project; recovery must be confirmed in the technical agreement.



Illustrative product photograph. Images may show different projects and configurations.

04 Spray Painting Equipment and Production Lines

Original brochure spreads 6 and 8

The brochure describes spray painting as a key stage of a coating line. It says paint quality affects the quality and final value of the finished product. Its spray rooms are presented as easy to clean and flexible to adjust.

- High-efficiency filter media, air conditioning, purification and electrical-control systems are described in the source.
- The brochure states a filtration efficiency of over 98%; this is a source claim, not a general performance guarantee.
- Spray rooms may be dry or wet type, with temperature, humidity, lighting and cleanliness considered for the operating environment.



Illustrative product photograph. Images may show different projects and configurations.

05 Mobile and Non-Standard Spray Booths

Original brochure spreads 6-7

The original brochure explicitly labels both a 'Mobile Telescopic Spray Booth' and a 'Non-Standard Series Spray Booth'. The English edition therefore identifies these as project-configured booth families, not fixed-size catalog models.

- Fixed, retractable and custom-size concepts can be discussed during engineering review.
- Dry or wet filtration is selected for the approved coating process.
- An explosion-protected design requires a project-specific hazard assessment and verified components; a general booth photo is not evidence of an explosion-proof rating.



Illustrative product photograph. Images may show different projects and configurations.

06 Ovens, Drying and Curing

Original brochure spreads 9 and 11

The source describes sealed, insulated drying rooms designed to limit dust contacting the work surface. It highlights heat retention, rapid warm-up, dehumidification, low energy use and straightforward operation as design aims.

- For tunnel ovens, temperature uniformity is identified as important to coating quality.
- The brochure lists radiant heating, hot-air circulation and combined radiant/hot-air heating, with single-chamber or continuous arrangements.
- Straight-through and bridge-type structures are mentioned; actual temperature, dimensions and energy use are project-specific.



Illustrative product photograph. Images may show different projects and configurations.

07 Conveying, Lifting and Logistics

Original brochure spreads 9-10

The source pages identify electric ovens and curing ovens, mechanized conveying equipment, lifting machines and logistics transport as equipment categories supporting coating and assembly operations.

- Overhead, floor, indexed or other transfer concepts are selected for part weight and process sequence.
- Fixtures, loading areas and buffers are designed around the agreed production rhythm.
- Drive, safety and maintenance access are reviewed in the final layout.



Illustrative product photograph. Images may show different projects and configurations.

08 Automation and Integrated Assembly

Original brochure spreads 12 and 19

The brochure explicitly presents automation control systems, integrated assembly lines and non-standard automation as product categories. Their interfaces and control scope are confirmed for each project.

- PLC, HMI, interlocks and monitoring functions are specified in the approved control scope.
- Robot or manipulator selection depends on reach, payload, path and workpiece presentation.
- Electrical design and documentation must be reviewed for the destination installation.



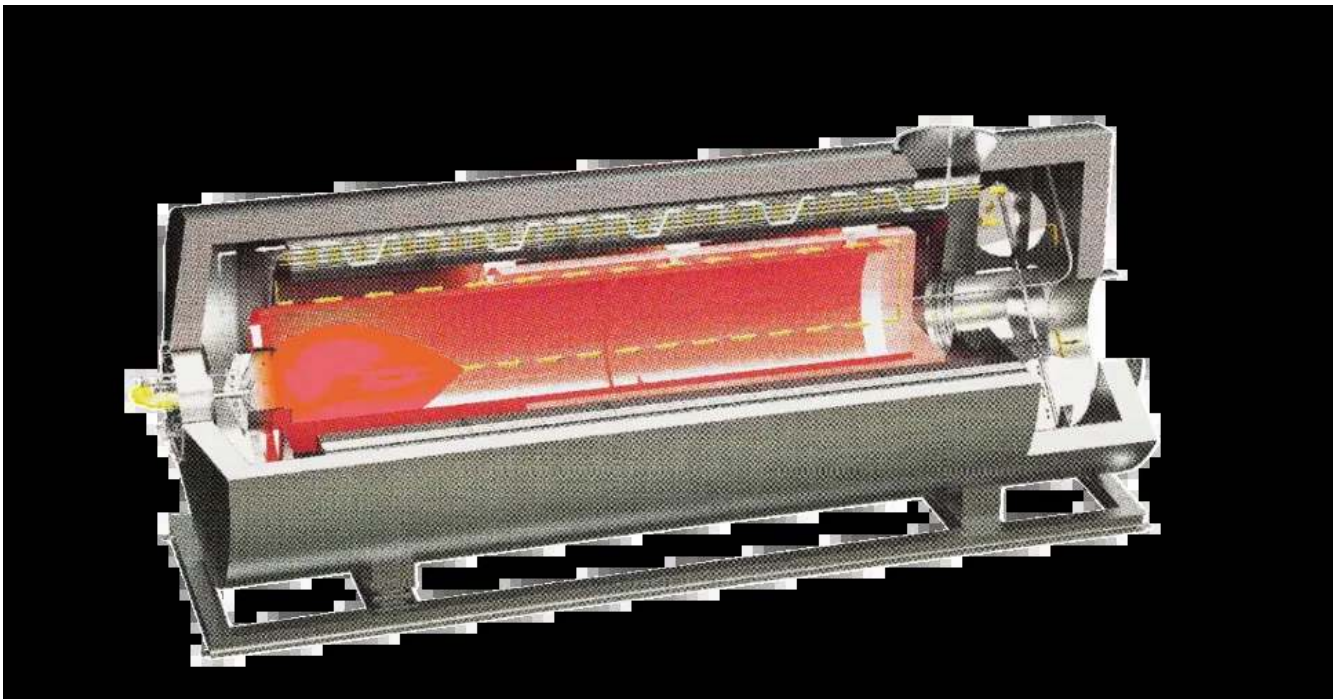
Illustrative product photograph. Images may show different projects and configurations.

09 Dust Removal and Ventilation

Original brochure spreads 13-15

The source explains a dust-removal system as ducting that carries dust-laden gas to a collector for gas-solid separation. Dust is retained in the collection equipment, while cleaned gas is sent onward or discharged through an approved route.

- Air volume and system resistance require a project calculation.
- Dust characteristics and process hazards influence filtration and safety measures.
- Local occupational, fire and environmental requirements are established for the site.



Illustrative product photograph. Images may show different projects and configurations.

10 Industrial Exhaust Gas Treatment

Original brochure spreads 16-17

The source describes an exhaust-gas purification system as a combination of collection equipment, connecting ducts, purification equipment, fans and an outlet. Illustrated categories include washed spray towers, activated-carbon adsorption, catalytic combustion, zeolite-rotor concentration and waste-gas incineration.

- Selection depends on exhaust composition, concentration, temperature, air volume and operating pattern.
- Pretreatment and monitoring can be integrated where required by the selected route.
- Emissions performance and acceptance criteria must be agreed for the destination site's applicable limits.



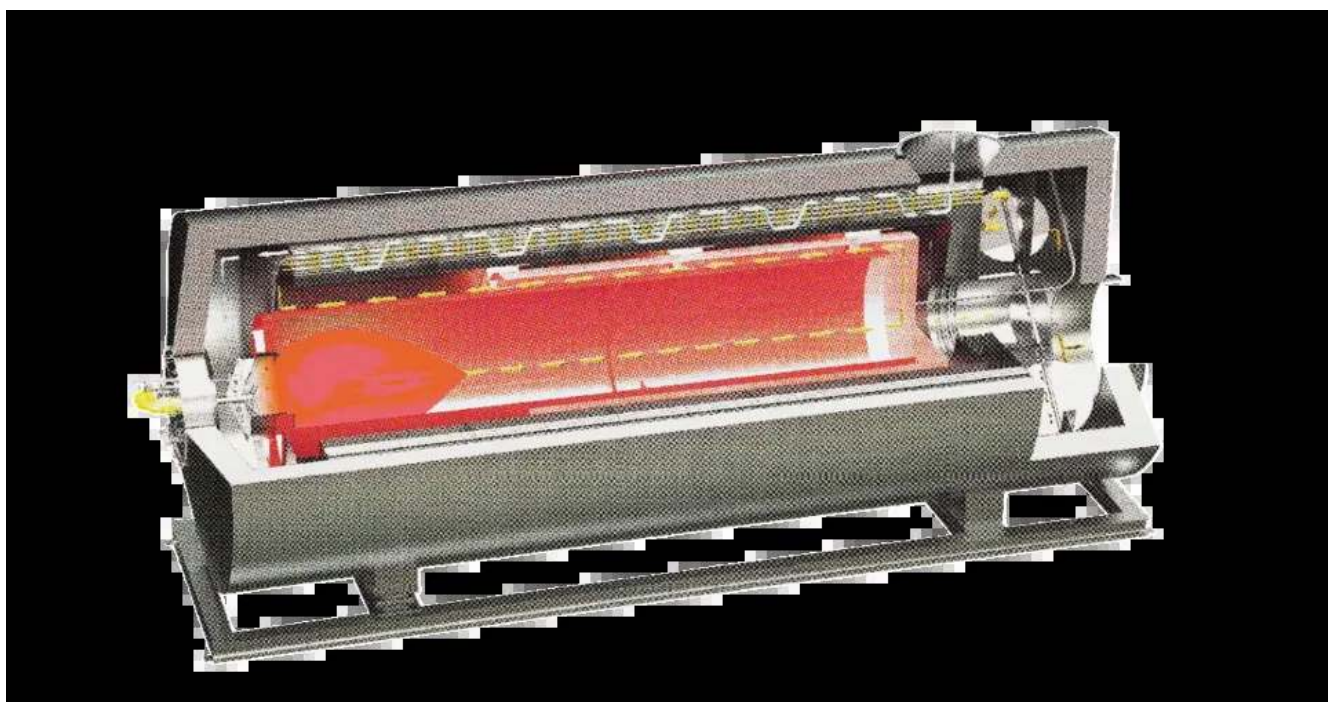
Illustrative product photograph. Images may show different projects and configurations.

11 Wastewater Treatment and Project Integration

Original brochure spreads 18-20

The source defines wastewater treatment as purification to meet a required discharge or reuse water-quality level. It presents the prevention of direct wastewater and pollutant release as an environmental objective. The final pages also introduce non-standard automation.

- Water balance, wastewater characteristics and discharge route require project data.
- Equipment interfaces and responsibilities are documented in the engineering scope.
- Testing, training and handover requirements are agreed before delivery.



Illustrative product photograph. Images may show different projects and configurations.