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**静电粉末喷涂设备**  
ELECTROSTATIC POWDER  
COATING EQUIPMENT

**JOBON**  
**PENTOO**

## COMPANY PROFILE 公司简介

青岛中邦科技发展有限公司,是业内享有盛名的喷涂设备制造商。公司目前拥有全球著名的两个品牌:PENTOO, JOBON。

公司注册于2005年,多年来一直致力于静电喷涂设备的研发。目前公司拥有员工85人,其中研发工程师8人,品管工程师11人。

公司在研发技术方面一直是行业的领军者。持续的人员和资金的投入,使得我们的核心产品---S20静电喷涂机目前处于世界行业领先的地位,并拥有5项专利,其中包括3项发明专利,其优越的性能已经远远超越了行业内其他品牌。

公司作为搪瓷静电粉末喷涂领域的佼佼者,被邀请参加2018年芝加哥国际搪瓷大会,并且公司董事长潘鹏飞先生在会上发表了重磅论文《超长搪瓷钢管的研制》,引起轰动。中邦是中国搪瓷工业协会理事单位,并被邀请为东华大学(原中国纺织大学)搪瓷粉末静电喷涂技术与装备(博硕)研究生培养基地。

中邦,我们的目标是为全球用户提供最好的喷涂设备和最好的服务。

**2005**

公司注册于2005年

**85**

目前公司拥有员工85人

**42**

公司专利已达42项

**2018**

被邀请参加2018年  
芝加哥国际搪瓷大会



Qingdao JOBON Science & Tech Development Co., Ltd. is registered in 2005. The company has two worldwide brands: PENTOO, JOBON.

JOBON has been dedicated to the powder coating field all the years till now. It has more than 85 employees, amongst there are 8 R&D engineers and 11 QC engineers.

During the company developing years, it has been devoting to research and design. It has been the leading company in powder coating equipment area, especially powder coating guns. The powder coating gun S10 performance can compete and even exceed the other worldwide very famous brands, and S20 includes 5 patents and 3 patents are utility patents.

The company is also the leading company in Enamel Powder Coating area. Company's CEO Peter Pan has given a speech for Research of Extra-Long Steel Pipe Enameling in 24th International Enamellers Congress in 2018 Chicago, USA.

JOBON is the governing unit of China Enamelware Industry Association, and is invited as the Donghua University Post-Graduate Students Training Base for Electrostatic Enamel Powder Coating Application.

Our goal is to provide the best powder coating equipment and best service to our customers around the world.

# DEVELOPMENT HISTORY 发展历程



## 公司大事记 Company Events

- 2005年中邦公司注册成立；
- 2013年入选中国国家高新技术企业；
- 2017年5月加入中国搪瓷工业协会；
- 2017年5月通过ISO9001质量管理体系认证；
- 2018年5月28日受邀参加美国芝加哥第24届国际搪瓷大会，并发表《超长搪瓷钢管研究》的英文学术论文；
- 2018年12月8日受邀在第二届中国搪瓷工业新技术、新材料、新装备国际技术交流展览会发表学术论文(中国.佛山)；
- 2018年12月27日成功在新三板挂牌上市，股权代码:801873；
- 2018年12月，中邦静电搪瓷喷枪Enamel-S10型静电喷枪荣登中国搪瓷工业协会《会员通讯》杂志封面；
- 2019年3月25日，2018年度蓝海股权交易中心挂牌企业“蓝海风云榜”评选活动中，中邦科技(股权代码:801873)被选为“卓越成长领军企业”；
- 2019年4月3日，由国务院主办的中央直属党报《经济日报》第11版“企业栏目”刊登文章《从跟跑到领跑--“中邦”以技术刷新世界对“中国创造”的认知》；
- 2019年5月，国家级技术刊物《搪瓷与玻璃》刊登中邦的静电搪瓷设备相关论文；
- 2019年7月18日，《青岛日报》“要闻”栏目刊登文章报道了中邦公司注重科技研发，成为国际“隐形冠军”的事迹；
- 2019年12月成为中国搪瓷工业协会理事单位；
- 2020年入选青岛市“专精特新企业”；
- 2020年受邀成为东华大学(原中国纺织大学)搪瓷粉末静电喷涂技术与装备(博硕)研究生培养基地。

## 主要产品发展史 Main Products Development History



- 2004年第一代静电粉末喷涂机PF-01A上市;
  - 2004年高压内置的PF-02K型静电粉末喷涂机上市;
  - 2005年MA3300型高压内置静电粉末喷涂机上市;
  - 2011年MA3300D型数字控制静电粉末喷涂机上市;
  - 2018年S10系列触摸屏静电粉末喷涂机上市;
  - 2020年M2型数字控制静电喷涂机上市;
  - 2021年S20系列触摸屏静电粉末喷涂机上市。
- In 2004, the first generation of electrostatic powder coating machine PF-01A was launched;
  - In 2004, the high-voltage built-in PF-02K electrostatic powder coating machine was launched;
  - In 2005, MA3300 high-voltage built-in electrostatic powder coating machine was put on the market;
  - In 2011, MA3300D digital control electrostatic powder coating machine was launched;
  - In 2018, the S10 series touch screen electrostatic powder coating machine was launched;
  - In 2020, M2 digital control electrostatic powder coating machine was launched.
  - In 2021, the S20 series touch screen electrostatic powder coating machine is launched.

- In 2005, JOBON Company registered;
- In 2013, JOBON was selected as a national high-tech enterprise in China;
- In May 2017, JOBON joined the China Enamel Industry Association;
- In May 2017, JOBON passed the ISO9001 quality management system certification;
- On May 28, 2018, CEO Peter Pan was invited to participate in the 24th International Enamel Conference in Chicago, USA, and published an academic paper entitled "Super Long Enamel Steel Tube Research";
- On December 8, 2018, CEO Peter Pa was invited to present academic papers at the 2nd China Enamel Industry New Technology, New Materials, and New Equipment International Technology Exchange Exhibition (Foshan, China);
- On December 27, 2018, it was successfully listed on the New Fourth Board, with the stock code: 801873;
- In December 2018, JOBON electrostatic enamel coating gun Enamel-S10 was listed on the cover of China Association of Enamel Industry Association "Member Newsletter";
- On March 25, 2019, JOBON company was selected as the "Leading Growth Leader" in the selection of the "Blue Ocean Fengyun List" listed in the 2018 Blue Ocean Equity Exchange Center;
- On April 3, 2019, the 11th edition of published by the State Council, the "Economic Daily" published an article "From the run to the lead--"JOBON" to refresh the world with technology to create "China" Cognition;
- In May 2019, the national technical publication "Enamel and Glass" published a paper on the electrostatic enamel equipment of JOBON;
- On July 18, 2019, the "Qingdao Daily" "Hot News" column published an article that reported that JOBON Company paid attention to scientific and technological research and development and became the international "invisible champion";
- In December 2019, JOBON became the governing unit of China Enamelware Industry Association;
- In 2020, JOBON is invited as the Donghua University Post-Graduate Students Training Base for Electrostatic Enamel Powder Application.

S20

## MANUAL ELECTROSTATIC POWDER COATING GUN 手动静电粉末喷涂机

更高的性能  
Better Coating Performance

### S20能做什么?/What can S20 do?

- 1、超强的凹槽喷涂能力(华为部件槽深至127MM可完美喷涂)
- 2、通过静电系统实现的厚度抑制功能(临界点反弹效应)
- 3、自动喷涂效果好,减少人工补喷
- 4、对工人的技术要求低
- 5、方便快捷的触摸屏操作
- 6、可快速恢复出厂设置
- 7、宽电压适应范围:AC100-240V自适应
- 8、长期稳定工作
- 9、可与机器人配合实现“参数跳变式自动喷涂”,实现超越人工的机器人喷涂。

1. Excellent groove coating capability (Huawei parts with 127mm groove can be perfectly coated)
2. Thickness suppression function realized by electrostatic system (critical point rebound effect)
3. The automatic coating effect is good, reducing manual repairing
4. Low technical requirements for workers
5. Convenient and quick touch screen operation
6. Can quickly return to the factory settings
7. Wide voltage adaptation range: AC100-240V self-adaptive
8. Long-term stable work
9. Can cooperate with robot to realize "Automatic & Continuous Parameter Adjusting" to exceed human operation



M2

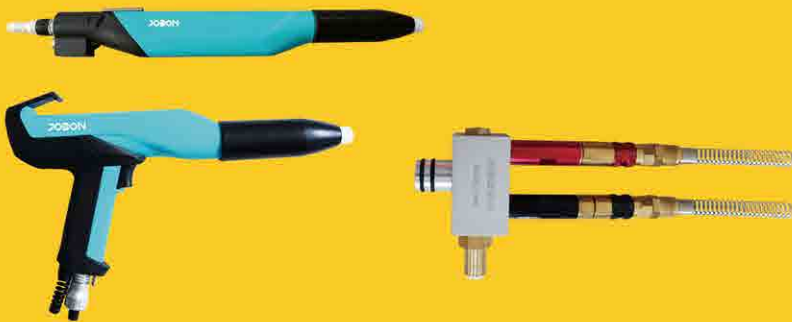
## MANUAL ELECTROSTATIC POWDER COATING GUN 手动静电粉末喷涂机

更高的性价比  
High Cost Performance

### 特点/Advantage

- 1、超高性价比
- 2、可以轻松完成窄深凹槽的喷涂
- 3、拥有粉末自动包覆功能
- 4、各种夹角均可使用自动喷涂功能
- 5、宽电压使用范围:AC100-240V自适应
- 6、支持24小时全天候不间断工作
- 7、主机不怕静电直接冲击

- 1.High cost performance
- 2.Narrow and deep grooves coating can be easily completed
- 3.With automatic cladding coating function
- 4.Automatic coating can be easily applied for various included angles
- 5.Wide voltage range: AC100-240V self-adaptive
- 6.Support 24hours continuous work
- 7.The control is safe from direct impact of static electricity

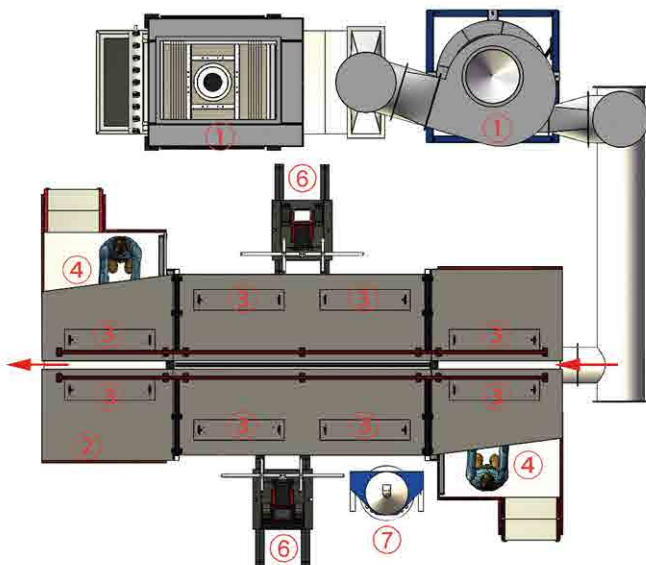


**BOOTH**

**PVC AUTOMATIC BOOTH / SANDWICH  
 FAST COLOR CHANGE BOOTH  
 快换色自动喷房**

**喷房优势/Advantage**

- (1) 易于清理 EASY TO CLEAN!
- (2) 快速换色 FAST COLOR CHANGE!



- (1) 大旋风二级回收系统
  - (2) PVC快速换色自动喷房
  - (3) 嵌入式LED照明
  - (4) 开放式手动检查补喷平台
  - (5) 控制柜
  - (6) 自动往复机
  - (7) 自动筛粉机与集中供粉箱
- (1) Big cyclone with two-stage recovery system
  - (2) PVC fast color change automatic booth
  - (3) Embedded LED lighting system
  - (4) Open platform for manual repairing
  - (5) Control cabinet
  - (6) Automatic reciprocator
  - (7) Automatic sieving machine and powder supply box

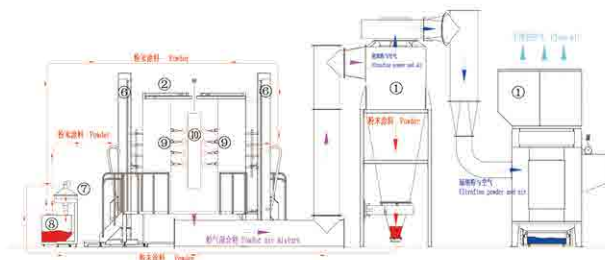
**BOOTH**

**ELECTRO-PLATED SHEET  
BIG CYCLONE AUTOMATIC BOOTH**  
金属材质大旋风自动喷房



- (1) 大旋风二级回收系统
- (2) 四工位自动喷房
- (3) 独立密封的LED照明系统
- (4) 手动检查补喷工位
- (5) 控制柜
- (6) 自动往复机
- (7) 自动筛粉机
- (8) 集中供粉箱
- (9) 自动粉末喷枪
- (10) 工件

- (1) Big cyclone with two-stage recovery system
- (2) Four station automatic powder coating booth
- (3) Independently sealed LED lighting system
- (4) Manual repair station
- (5) Control cabinet
- (6) Automatic reciprocator
- (7) Automatic sieving machine
- (8) Centralized powder supply box
- (9) Automatic powder coating gun
- (10) Workpieces



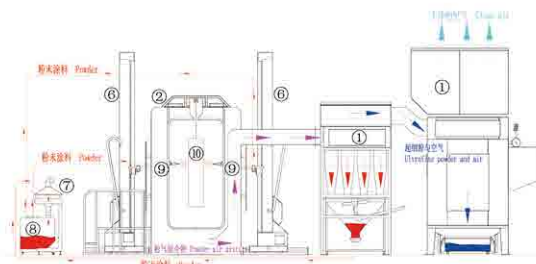
**BOOTH**

**ELECTRO-PLATED SHEET SMALL  
CYCLONE AUTOMATIC BOOTH**  
金属材质小旋风自动喷房



- (1) 小旋风二级回收系统
- (2) 四工位自动喷房
- (3) 独立密封的LED照明系统
- (4) 手动检查补喷工位
- (5) 控制柜
- (6) 自动往复机
- (7) 自动筛粉机
- (8) 集中供粉箱
- (9) 自动粉末喷枪
- (10) 工件

- (1) Small cyclone with two-stage recovery system
- (2) Four station automatic powder coating booth
- (3) Independently sealed LED lighting system
- (4) Manual repair station
- (5) Control cabinet
- (6) Automatic reciprocator
- (7) Automatic sieving machine
- (8) Centralized powder supply box
- (9) Automatic powder coating gun
- (10) Workpieces



## BOOTH

### PVC TWO STATION BOOTH PVC双工位喷房



#### 喷房优势/Advantage

- (1) 易于清理 EASY TO CLEAN!
- (2) 快速换色 FAST COLOR CHANGE!

## BOOTH

### ELECTRO-PLATED SHEET DOUBLE STATION BOOTH 金属材质双工位喷房



#### 喷房优势/Advantage

- (1) 高光静电粉末喷涂表面
  - (2) 单级粉末回收系统
  - (3) 独立密封的LED照明
  - (4) 单片机核心的数字脉冲程控仪控制
- (1) High glossy electrostatic coated surface
  - (2) Single stage powder recovery system
  - (3) Independent LED lighting system
  - (4) The control of digital pulse program controller based on MCU

**BOOTH**

**ELECTRO-PLATED SHEET  
SINGLE STATION BOOTH**  
金属材质单工位喷房



**BOOTH**

**SIDE IN & OUT SINGLE  
STATION BOOTH**  
侧进侧出的单工位喷房



**BOOTH**

**WALK-IN BOOTH**  
落地进人喷房



**喷房优势/Advantage**

- (1) 高光静电粉末喷涂表面
- (2) 单级粉末回收系统
- (3) 独立密封的LED照明
- (4) 单片机核心的数字脉冲程控仪控制

- (1) High glossy electrostatic coated surface
- (2) Single stage powder recovery system
- (3) Independent LED lighting system
- (4) The control of digital pulse program controller based on MCU

## OVEN

### ELECTRICITY HEATING CABINET OVEN 电加热固化炉

#### 优势/Advantage

- (1) 带散热翅片的不锈钢电热管
  - (2) 远红外辐射加热
  - (3) 可加辅助循环风
  - (4) 固化时间自动控制
- (1) Stainless steel electric heating tube with radiating fin
  - (2) Infrared heating
  - (3) Can add auxiliary circulation air
  - (4) Automatic control of curing time



## OVEN

### GAS HEATING CABINET OVEN 燃气固化炉

#### 优势/Advantage

- (1) 热风循环加热
  - (2) 双路数字温控
  - (3) 固化时间自动控制
- (1) Hot air circulation heating
  - (2) Two digital temperature control
  - (3) Automatic control of curing time



## OVEN

### FUEL HEATING CABINET OVEN 燃油固化炉

#### 优势/Advantage

- (1) 热风循环加热
  - (2) 双路数字温控
  - (3) 固化时间自动控制
- (1) Hot air circulation heating
  - (2) Two digital temperature control
  - (3) Automatic control of curing time



**OVEN**

**BRIDGE HEAT INSULATION OVEN**  
桥式烘道



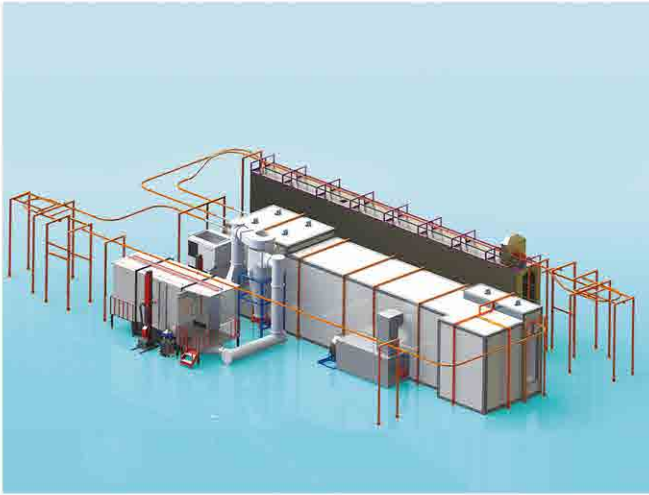
**OVEN**

**AIR CURTAIN HEAT INSULATION OVEN**  
风幕保温烘道

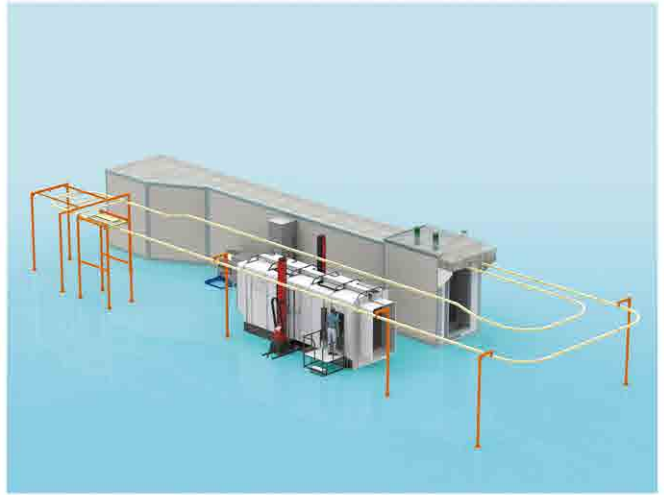


**POWDER COATING LINE**

**AUTOMATIC POWDER COATING LINE**  
全自动喷涂线



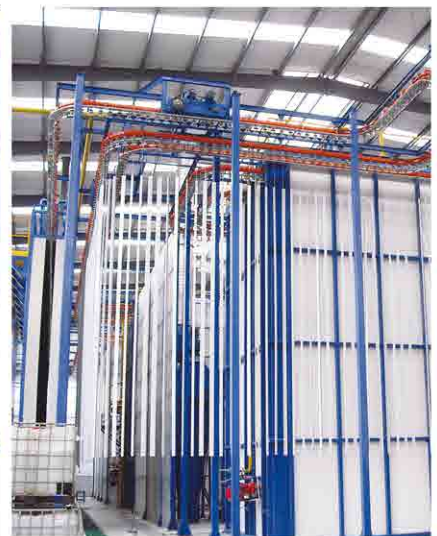
全自动带喷淋喷涂线  
Automatic Powder Coating Line with Spray Pre-treatment



全自动不带喷淋喷涂线  
Automatic Powder Coating Line without Spray Pre-treatment

**POWDER COATING LINE**

**VERTICAL ALUMINUM PROFILE POWDER COATING LINE**  
立式铝型材喷涂线



**POWDER COATING LINE**

**POWER & FREE CHAIN POWDER COATING LINE**

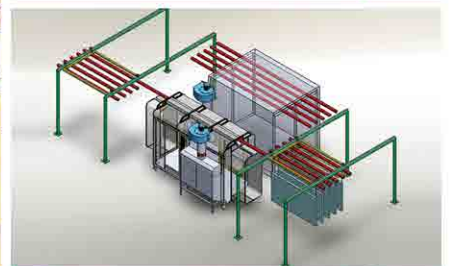
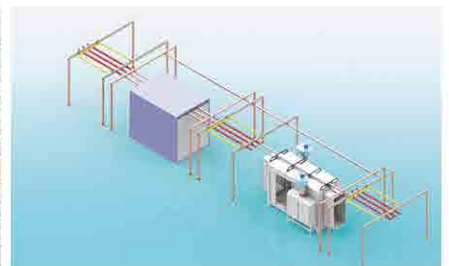
积放喷涂线



**POWDER COATING LINE**

**TRANSVERSE SYSTEM POWDER COATING LINE**

直线横移喷涂线





## ENAMEL ACADEMIC PAPERS 搪瓷学术论文

- 1、中国团与国际搪瓷协会合影
  - 2、论文演讲
  - 3、中国6位论文作者与中国搪瓷工业协会领导
  - 4、主办方组织的欢迎酒会
1. Chinese group with the International Enamel Association.
  2. Paper speech
  3. Chinese papers authors and China Enamel Industry Association leader
  4. Welcome reception organized by the organizer



2018年5月  
 美国芝加哥  
 May 2018  
 Chicago USA

# ELECTROSTATIC POWDER COATING TECHNOLOGY

Where is JOBON standing now in the world electrostatic powder coating field?

中邦静电粉末喷涂技术一直在进步



01	02
03	

(1)中国搪瓷工业理事单位  
 (2)东华大学博硕研究生培养基地  
 (3)静电搪瓷粉末喷涂设备受到客户高度好评。

(1)JOBON is the governing unit of China Enamelware Industry Association  
 (2) JOBON is honored as the Donghua University Post-Graduate Students Training Base for Electrostatic Enamel Powder Application  
 (3) JOBON electrostatic enamel powder coating equipment has got highly praised by customers.



**JOSON 中邦**  
科技让喷涂更完美

# JOBON 中邦

科技让喷涂更完美

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