Paint Brothers
漆兄弟

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如果您需要了解更多的详细信息，欢迎与我们联系！
Please don’t hesitate to contact if you need more information!

本目录登的技术规格，因改进型能会有所变更，恕不另行通知。
在机器使用前，仔细观看操作说明。
介绍的产品登在印制品上多少与实际颜色有差异。
The actual color of the products may slightly differ from printed color.
These specifications are subject to change without notice.
Before start-up operation,
please refer carefully to the manuals to be well informed.

国家级高新科技技术企业

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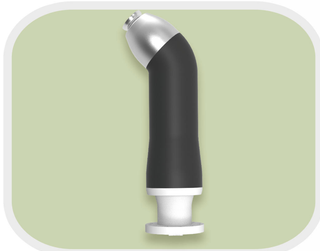

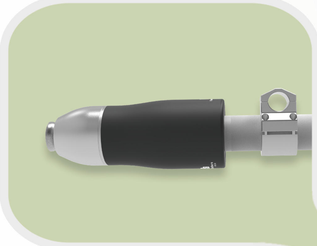

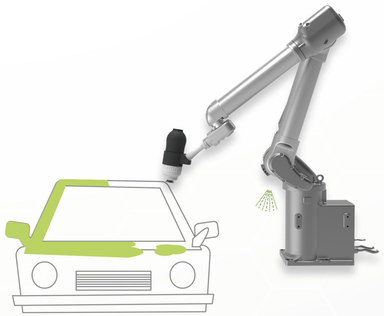

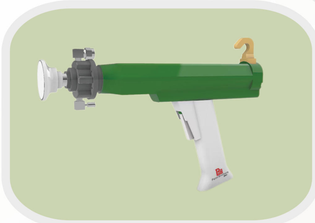

专业 静电喷枪 制造商

Dongguan Paint Brothers Spray Equipment Technology Co., Ltd

东莞市漆兄弟喷涂设备科技有限公司

公司简介

东莞市尚多自动化喷涂设备有限公司是国家新科技企业，始建于2005年,公司拥有配套完善的生产车间,有设备齐全的实验室,规范科学的检测设备,为家电、汽车、塑胶、家具、电子电器等行业提供技术先进 、 环保性能可靠的液体静电喷枪,并得到了各行业的客户高度认可与评价。

公司产品的水性静电应用方面,我司已走在行业前列。

公司持有“漆兄弟” 品牌系列静电喷枪,产品拥有18项专利证书。

公司产品有:气悬浮旋杯、轴承旋杯、机器人旋杯、DISK旋碟机、齿轮泵、换色阀等系列设备。

我司经过在行业的多年发展,拥有先进且成熟的产品设计方案及解决方案,在产品设计、安装、调试、实践工作中培育经验丰富的工程技术人员,能够根据用户的实际使用要求,提供性价比最佳的解决方案。可提供从方案设计,产品安装,产品调试到生产一整套周到的服务。

Dongguan shangduo automatic spraying equipment Co., Ltd. is a national new science and technology enterprise. It was founded in 2005. The company has complete supporting production workshops, well-equipped laboratories and standardized and scientific testing equipment for home appliances Automotive, plastic, furniture, electronics and other industries provide liquid electrostatic spray guns with advanced technology and reliable environmental protection performance, which have been highly recognized and evaluated by customers in various industries.

In terms of water-based electrostatic application of the company's products, our company has been at the forefront of the industry.

The company holds the "paint brothers" brand series electrostatic spray gun, and the products have 18 patent certificates.

The company's products include: air suspension rotating cup, bearing rotating cup, robot rotating cup, disk rotating disc machine, gear pump, color change valve and other series of equipment.

After years of development in the industry, our company has advanced and mature product design schemes and solutions. We cultivate experienced engineering and technical personnel in product design, installation, commissioning and practice, and can

Provide the best cost-effective solution. It can provide a complete set of thoughtful services from scheme design, product installation, product commissioning to production.

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Electrostatic liquid crystal handheld spinning cup gun Q7

2 往复自动式粉末旋杯喷枪 03-04
Reciprocating automatic rotating cup spray gun

3 粉末旋杯马达头 05-06
Powder rotating cup motor head

4 粉末铝型材卷钢专用 小蛮腰 07-08
Small waist special for aluminum profile coil steel

5 粉末旋杯 09-10
Powder rotating cup

6 机器人油漆气旋浮旋杯 11-12
Robot cyclone floating rotating cup

7 Disk油漆旋碟机 13-14
Disk spinner

8 自动静电喷枪 15-16
Automatic electrostatic spray gun

9 手持式空气静电喷枪 17-18
Handheld air electrostatic spray gun

10 自动换色阀 19-20
Automatic color changing valve

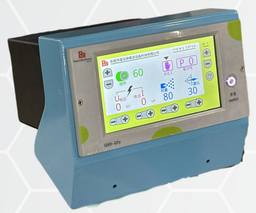
静电粉末旋杯枪Q7

箱体 死角 散热片

的克星

产品性能及特点

旋杯式喷枪 数据精准调节
多种雾化 适应凹槽阴角等多种产品
雾化：普通喷嘴+5种旋杯喷嘴
重量轻：手持0.96kg，自动0.74kg.
比传统喷粉枪提高20%以上
膜厚均匀，误差在正负10um内
死角上粉快，不堆粉，不积粉
对工人技术要求低



静电发生器QXD-Q7Y

粉桶50kg

QXD-Q7Y-M

技术参数

型号	QXD-Q7Y-M	喷嘴15-65mm	雾化50-100MM	重量(kg)
序号	气压（kgf/cm ）	空载转速（r/min）	耗气量	人工手持式 0.96kg
1 旋转气	1.0	1000-1300	130	
	2.0	6000-12000	200	
2 雾化气	1.0		155	
	2.0		250	
	3.0		325	
3 粉泵气	6.0		210	

安装方式 手持、 直径 30
最大粉末突出量 30-550g/min 粉管 长度5/10M 直径11MM
放电方式 内置高压快 0-100kv 喷杯前端放电
旋杯总耗气量 350L/min

Electrostatic powder rotary bell gun Q7

- Precise adjustment of data of rotary cup spray gun
- A variety of atomization adapts to a variety of products such as concave corners of grooves.
- Atomization: common nozzle +5 kinds of rotary cup nozzles
- Light weight: 0.96kg for hand and 0.74kg for automatic.
- Compared with the traditional powder spraying gun, it is improved by more than 20%
- The film thickness is even, and the error is within plus or minus 10um.
- Powder on the dead corner is fast, no powder accumulation, no powder accumulation.
- Low technical requirements for workers.

QXD-Q7Y-M

Electrostatic generator
QXD-Q7Y

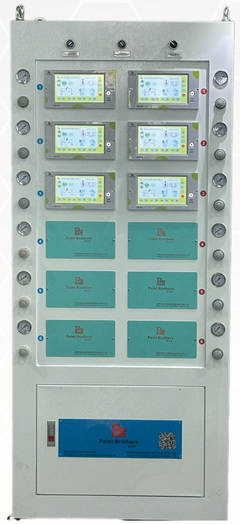
Powder barrel 50kg

Technical parameter

Model	QXD-Q7Y-M	Nozzle 15-65mm	Atomize 50-100MM.	Weight(kg)
NO.	Pressure(kgf?cm⊠)	No-Load speed(r/min)	Gas consumption	Manual handheld 0.96kg
1 Rotating gas	1.0	1000-1300	130	
	2.0	6000-12000	200	
2. Atomizing gas	1.0		155	
	2.0		250	
	3.0		325	
3 Power pump gas	6.0		210	

安装方式 手持、 直径 30
The maximum powder discharge capacity is 30-450g/min, the length of the powed tube is 10M,and the diameter is 11MM
Discharge mode Built-in high-pressure block 0-100kv Discharge at the front end of the spray cup
The total gas consumption of the rotary cuo 350L/min

往复自动式粉末旋杯喷枪



静电箱

产品性能及特点

适用范围：升降机 机器人 小五金等

超高速 轴承

静电发生器可485通讯 可与机器人升降机PLC等外部实时通讯

雾化等各参数电子触摸调节，精准调控

气动马达

重量轻（重量仅1kg 负载8kg机器人可匹配工作）

安装范围广（适合机器人中空 外挂 所有市场及固定式和升降机式

技术参数

	型号	QXD-Q2	杯头直径65MM	雾化80-330MM	重量（kg）
序号		气压（kgf/cm2)	空载转速（r/min）	耗气量	2.68KG
1	旋转气	1.0	1000-1300	130	
		2.0	6000-12000	130	
2	雾化气	1.0		155	
		2.0 3.0		250 325	
3	粉泵气	6.0		210	
4	清洁气	1.0		130	

安装方式　升降机式、机器人v/L　固定锁块　直径30mm 机器人

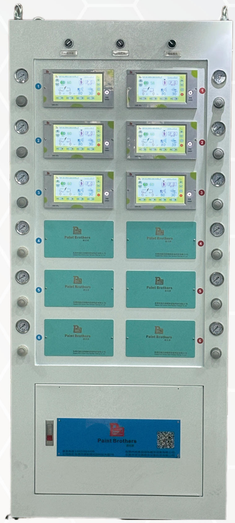
最大粉末突出量 30-650gmin　粉管 长度10M直径11MM

放电方式　内置高压块　0-100kv　喷杯前端放电　旋杯总耗气量 500-800L/min

Reciprocating automatic rotary cup spray gun

Product performance and characteristics

- Scope of application: elevator robot hardware, etc.
- The electrostatic generator can communicate with the robot elevator PLC and other external real-time communication.
- Electronic touch adjustment of parameters such as atomization, precise control.
- air motor
- Light weight (the weight is only 2.68kg, and the robot with 8kg load can work together).
- Wide installation range (suitable for all markets of robot hollow plug-in and fixed and elevator type)



Electrostatic box

technical parameter

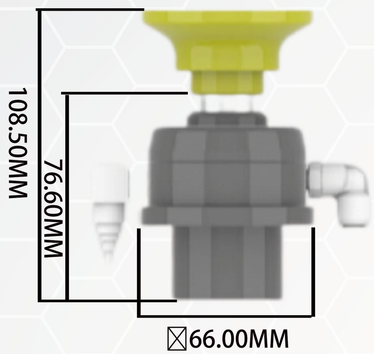
serial number	model	QXD-PFXB-ZC	Cup head diameter 65MM	Atomize 80-330MM	Weight (kg)
		气压（kgf/cm2)	空载转速（r/min）	耗气量	2.3kg
1	Rotating gas	1.0	1000-1300	130	
		2.0	6000-12000	130	
2 atomization device		1.0		155	
		2.0 3.0		250 325	
3 Powder pumping gas		6.0		210	
4	Clean gas	1.0		130	

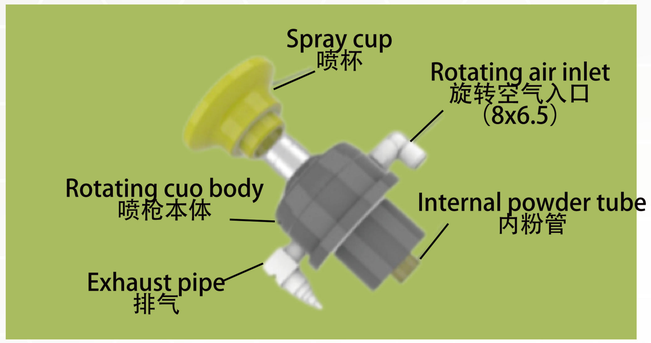
Installation mode　Elevator-type robot with v/L fixed lock block diameter of 30mm

Maximum powder protrusion is 30-650gmin. The length of powder tube is 10M and the diameter is 11MM.

Discharge mode: The front end of 0-100kv spray cup with built-in high voltage block discharges.　The total gas consumption of rotary cup is 500L/min.

粉末旋杯马达头

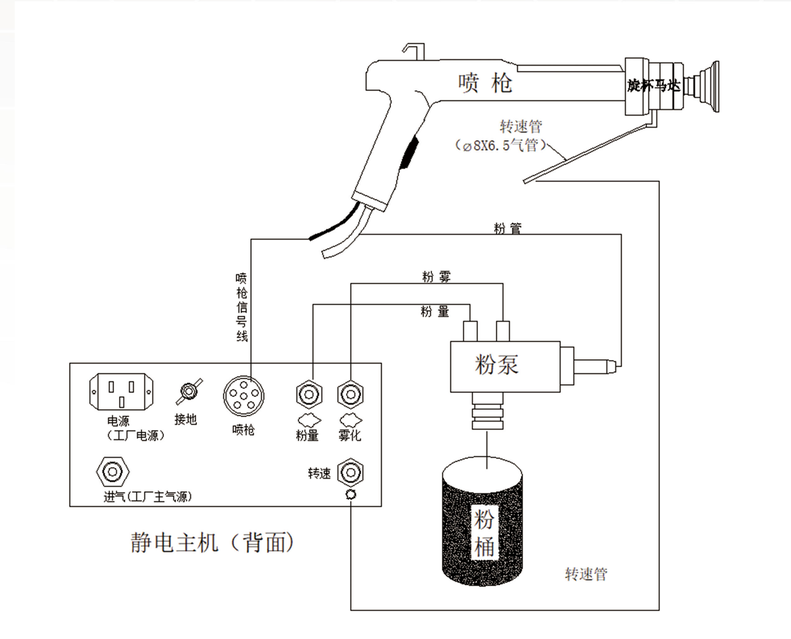




五种喷嘴

Model:型号:	QXD-SDXB01(手动)		Wieght总重量（k/g）; 0.23			
序号	AIR Pressuer气压 (Mpa)	Speed空载转速（r/min)	Air consumption 耗气量ML/min	Powder discharge 粉末吐出量		
1	0.1	600-800	100	0.1Mpa	0.2Mpa	0.4Mpa
	0.2	100-1400	180	150-170g	300-350g	500-560g
	0.3	1600-2000	230			

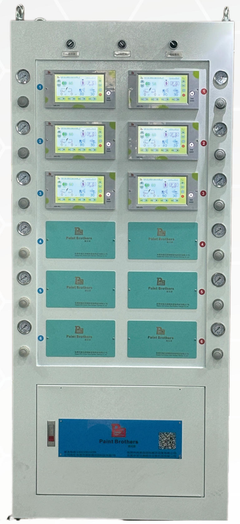
Powder Rotary cup Motor Spray Head



包含配件
1：8三通气管接头
2：8微动调节阀

铝材卷钢专用 粉末旋杯

小蛮腰



静电箱

产品性能及特点

适用范围：铝材铝卷 卷钢 型材 铝天花 专用旋杯

超高速 轴承

静电发生器可485通讯 可与机器人升降机PLC等外部实时通讯

雾化等各参数电子触摸调节，精准调控

耐用（马达 可连续24小时365天不间断工作，无故障，无疲劳）

重量轻（重量仅2.68kg 负载8kg机器人可匹配工作）

安装范围广（适合机器人中空 外挂 所有市场及固定式和升降机式

技术参数

	型号	QXD-Q3Q	杯头直径65MM	雾化80-330MM	重量（kg）
序号		气压（kgf/cm2)	空载转速（r/min)	耗气量	2.68KG
1	旋转气	1.0	1000-1300	130	
		2.0	6000-18000	130	
2	雾化气	1.0		155	
		2.0 3.0		250 325	
3	粉泵气	6.0		210	
4	清洁气	1.0		130	

安装方式 升降机式、机器人v/L 固定锁块 直径30mm 机器人

最大粉末突出量 30-650gmin 粉管 长度10M直径11MM

放电方式 内置高压块 0-100kv 喷杯前端放电 旋杯总耗气量 500-800L/min

slim waist

Product performance and characteristics

- Scope of application: aluminum aluminum coil coil steel profile aluminum ceiling special rotating cup.
- The electrostatic generator can communicate with the robot elevator PLC and other external real-time communication.
- Electronic touch adjustment of parameters such as atomization, precise control.
- Durable (the motor can work continuously for 24 hours and 365 days without fault or fatigue)
- Light weight (the weight is only 2.68kg, and the robot with 8kg load can work together).
- Wide installation range (suitable for all markets of robot hollow plug-in and fixed and elevator type)

technical parameter

serial number	model	QXD-PFXB-ZC	Cup head diameter 65MM	Atomize 80-330MM	Weight (kg)
		气压（kgf/cm2)	空载转速（r/min)	耗气量	2.3kg
1	Rotating gas	1.0	1000-1300	130	
		2.0	6000-18000	130	
2	atomization device	1.0		155	
		2.0 3.0		250 325	
3	Powder pumping gas	6.0		210	
4	Clean gas	1.0		130	

Installation mode Elevator-type robot with v/L fixed lock block diameter of 30mm

Maximum powder protrusion is 30-650gmin. The length of powder tube is 10M and the diameter is 11MM.

Discharge mode: The front end of 0-100kv spray cup with built-in high voltage block discharges. The total gas consumption of rotary cup is 500L/min.

产品性能及特点

适用范围：五金 灯饰 钣金 电子磁铁

五种形式雾化喷嘴

雾化形状可变（根据产品形状适配大中小各种雾化）

耐用（马达 可连续24小时365天不间断工作，无故障，无疲劳）

重量轻（重量仅2.68kg 负载8kg机器人可匹配工作）

安装范围广

适合机器人中空 外挂 所有市场及固定式和升降机式

高速轴承旋杯

粉末旋杯

技术参数

	型号	QXD-Q3Q	杯头直径65MM	雾化80-330MM	重量（kg）
序号		气压（kgf/cm2)	空载转速（r/min）	耗气量	2.68KG
1	旋转气	1.0	1000-1300	130	
		2.0	6000-8000	130	
2	雾化气	1.0		155	
		2.0 3.0		250 325	
3	粉泵气	6.0		210	
4	清洁气	1.0		130	
安装方式	升降机式、机器人v/L 固定锁块 直径30mm 机器人				
最大粉末突出量 30-650gmin 粉管 长度10M直径11MM					
放电方式	内置高压块 0-100kv 喷杯前端放电 旋杯总耗气量 500-800L/min				

Powder rotating cup

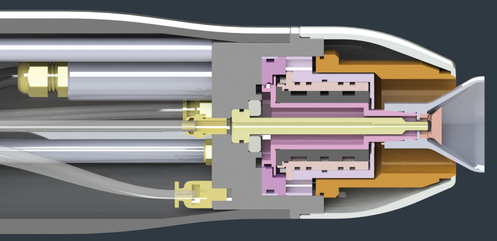
Product performance and characteristics

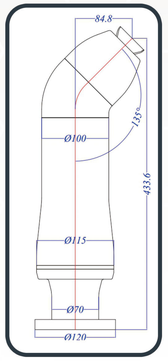
- Scope of application: metal lighting, sheet metal and electronic magnets
- Five forms of atomizing nozzle
- Wide installation range (suitable for all markets of robot hollow plug-in and fixed and elevator type)
- The atomization shape can be changed (adapt to all kinds of atomization according to the product shape)
- Durable (the motor can work continuously for 24 hours and 365 days without fault or fatigue)
- High speed bearing rotating cup
- Light weight (the weight is only 2.68kg, and the robot with a load of 6kg can work)

技术参数

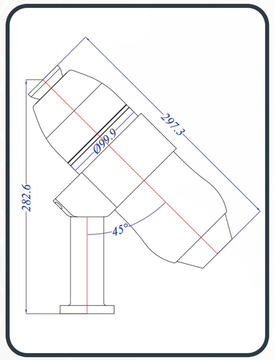
	型号	QXD-PFXB-ZC	杯头直径65MM	雾化80-330MM	重量（kg）
序号		气压（kgf/cm2)	空载转速（r/min）	耗气量	2.3kg
1	旋转气	1.0	1000-1300	130	
		2.0	6000-8000	130	
2	雾化气	1.0		155	
		2.0 3.0		250 325	
3	粉泵气	6.0		210	
4	清洁气	1.0		130	
安装方式	升降机式、机器人v/L 固定锁块 直径30mm 机器人				
最大粉末突出量 30-650gmin 粉管 长度10M直径11MM					
放电方式	内置高压块 0-100kv 喷杯前端放电 旋杯总耗气量 500L/min				

机器人气悬浮旋杯
Machine suspension rotating cup

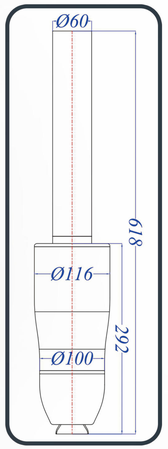




型号1
QXD-QC50-L45



型号2
QXD-QC50-V



型号3
QXD-QC50-I

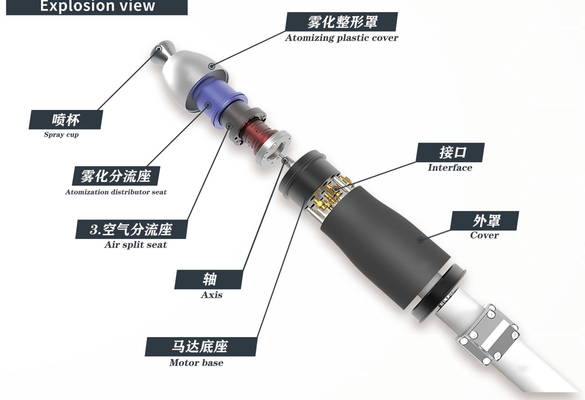
功能说明 Function description

主轴型号 Spindle model		QXD-qc-50I/V/L	气浮气压 Air flotation pressure	4-6kgf/cm2	重量（kg） weight
序号 Serial number	项目 project	气压（kgf/cm2） pressure	空载转速（r/min） No load speed	耗气量L/min Gas consumption	机器人V-L45型
1	旋转气	2.0	43000	330	2.3kg
		3.0	48000	425	往复机I
		4.0	65000	550	3.3kg

技术数据 technical data

型号 model	QXD- ZC50-L45/i	开关枪气压 Air pressure of switch gun	1.5-3kg/cm2
杯头 Cup head	50mm	雾化耗气 Atomization gas consumption	650-1000l/min
安装方式 Installation method	升降机式/机器人V /L	固定锁块 Fixed lock block	直径40/35/32mm 机器人V45/L
涂料吐出量 Paint emission	50-850cc/min	材质 texture of material	POM
涂料最大粘度 Maximum viscosity of coating	35s/岩田2号杯	针/阀 Needle / valve	无
雾化气压 nebulizer pressure	2-6kg/cm2	机型 model	机器人L型 为机器中空型 V型为外挂型
测速方式 Speed measurement mode	光纤型（选配）		

爆炸视图 Explosion view



应用领域 application area

以搭载机器人在高粘度涂料，高光油性及水溶性涂料均可使用用于喷涂铝型材、汽车配件、轮框、车灯.

The robot can be used in high viscosity coatings, high gloss and water-soluble coatings for spraying aluminum profiles, auto parts, wheel frames and lamps

案列 List of cases

自动静电喷枪
Automatic electrostatic spray gun

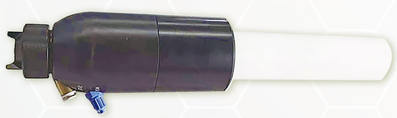
应用领域
application area

用于喷涂:小五金、电镀件、铝型材等

For spraying: hardware, electroplating parts, aluminum profiles, etc

功能参数 Function parameters

型号 model	QXD- ZD-F式	油漆喷涂量 Amount of paint sprayed	30/1500 CC
喷辐气压 Jet pressure	1 - 1.5kg/cm^2	雾化气压 nebulizer pressure	2 - 4kg/cm^2
静电压 Static voltage	DC100KV	喷辐宽度 Jet width	20 - 450mm
重量 weight	0.96kg	长度 length	L215mm Φ50
固定孔 Fixing hole	Φ16mm	喷嘴 injector	圆形喷嘴/扇形喷嘴



应用领域
application area

用于喷涂:专门针对炊具行业，水性铁弗龙油漆

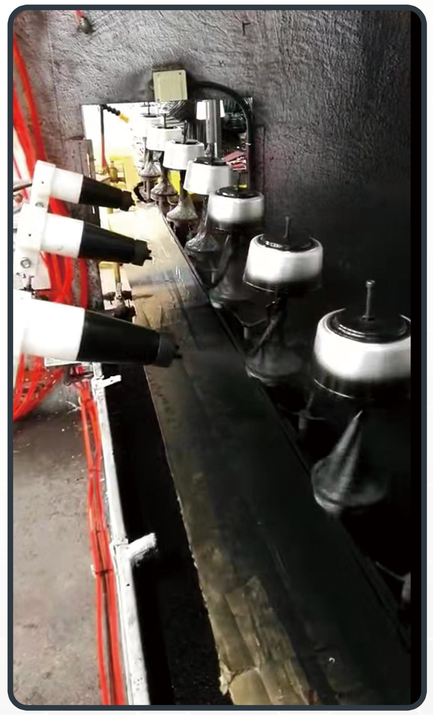
For spraying: specially for cooking utensils industry, water-based Teflon paint

功能参数 Function parameters

型号 model	QXD- ZZ 式	油漆喷涂量 Amount of paint sprayed	30/1500 CC
喷辐气压 Jet pressure	1 – 2kg/cm^2	雾化气压 nebulizer pressure	2 – 4kg/cm^2
静电压 Static voltage	DC100KV	喷辐宽度 Jet width	20 – 350mm
重量 weight	2.2 kg	长度 length	180mm Φ40
开关气压 Switch air pressure	3.5 – 4.5kg/cm^2		

人机控制箱

型号	QD-1700-2
输入电压	AC220V4 ± 10%
控制器	可编程控制器采用日本三菱/欧姆龙
技术模块	模块采用日本三菱/欧姆龙
界面	人机界面采用台湾 WEIN VIEW10寸彩色屏幕
特点	手动、自动画面可储存100个菜单
	德国施耐德电气
	台湾明纬电源
	开门照明灯
	故障报警

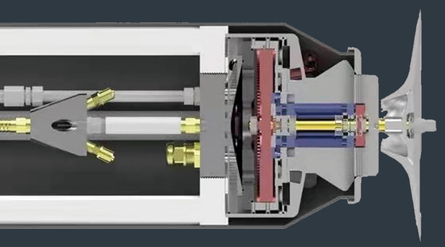


机器人喷涂

往复机喷涂

DISK旋碟机

DISK rotary disc palayer



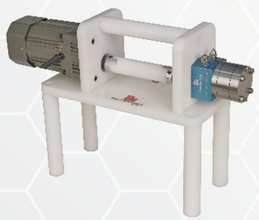
双涡轮高雾化旋碟机

双涡轮高雾化碟机
可用于溶剂型、水溶性漆或多组份涂料
是喷涂行业中上漆最高喷漆机具之一
配合使用 Ω 形状输送链
可获得良好的漆喷质量和显著的上漆率
提高生产率

升降机

DISK升降机

型号	DE-1800/DE-2500/DE3000
规格	1800mm、de-2500mm、3000mm
外尺寸	L720mm x W550mm
线性滑轨	20mm



精密齿轮泵

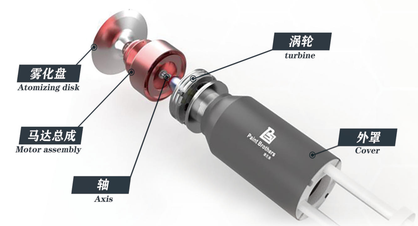
空气加热器

DISK旋碟机

DISK旋碟机 功能数据

型号 model	QXD- Disk-2Air	空气消耗量 Air consumption	110-160L/min(2-4kgf/cm^2)
重量 weight	8.49kg	直径 diameter	160mm
长度 length	850mm	空气管 Air pipe	Φ12mm
测速方式 Speed measurement mode	光纤型（选配）		

爆炸视图
Explosion view



应用领域
application area

用于喷涂 木质家具，五金玩具，汽车配件
Used for spraying wooden furniture, hardware toys, auto parts

配套
Matching

油漆手持式空气静电喷枪
Handheld air electrostatic spray gun

型式Mode	QXD-IF680
无负荷电压No-ad voltage	DC-60KV
额定输出 Rated output	DC-60KV-50UA
输出调整 Output adjustment	20-60KV
遮断电流调整范围 Breaking current adjusting range	20-190UA无阶段 (sessionless)
电源电压 Supply voltage	AC110/200v 50/60HZ
高压电开关 Hige-voltageswitch	空气流开关 (Aircurrent switch)
尺寸 Maeasurement	210(w)x145(D) x270(H)mm
重量 Weight	0.86kg.
适用油漆电轴率	5-50兆欧

喷枪Spray gun

白铁喷嘴适用透明光油
white iron nozzle for transparent varnish

平喷嘴适用平板喷涂
Flat nozzle for flat spray

隔膜泵Diaphragm pump

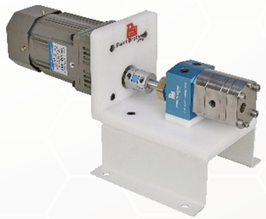
水性供漆隔膜泵
Water-based paint diaphragm pump

技术数据

型号	3CC/4.5CC/6CC/10CC
重量KG	1.6/1.8 /2.0 /2.5
涂料使用范围	水性 / 油性 / PU / UV / 防腐底漆 / 固含量 ≥90
	30 / 30 / 30 / 30 / NO / NO
最大流量CC	0-350/420/530/780
材质	马氏体SUS
最大流体压力	115psi(8ar)

涂料种类	普通型
型号	QXD-BBD 4/6

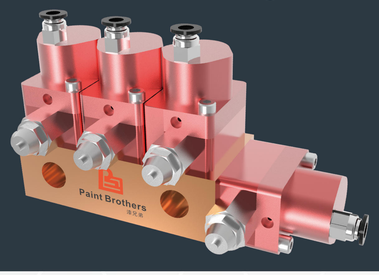
涂料种类	一拖四
型号	QXD-BI74

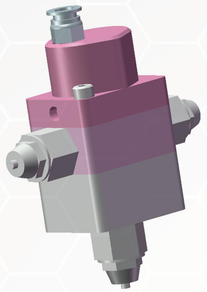


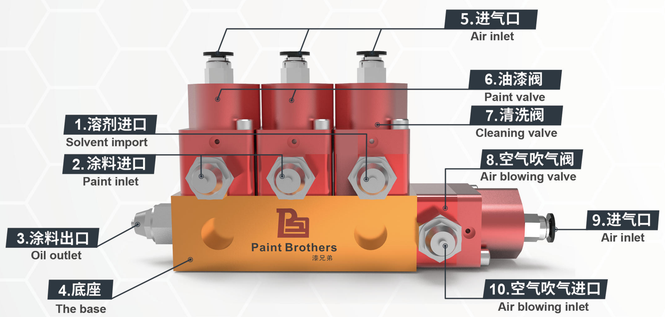
涂料种类	油性涂料
型号	QXD-BYX 4/6

涂料种类	水性油漆
型号	QXD-BSX 4/6

自动换色阀
Automatic color change valve

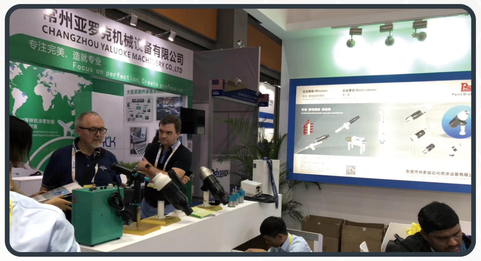


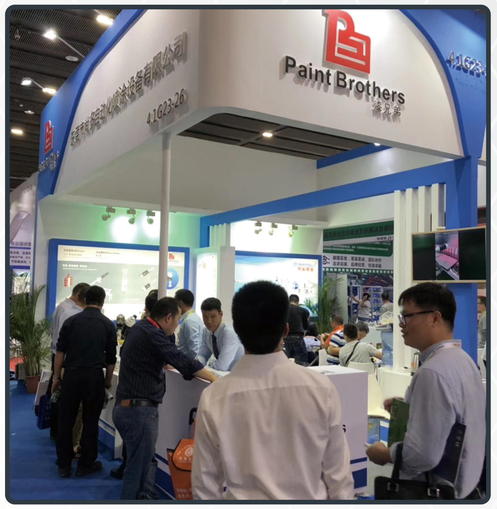




技术数据 technical data

型号 model	QCV-12-02/13-02	启动气压 Starting air pressure	1.5-6KG/cm2
种类 type	单色/多色	涂料种类 Types of coatings	油性涂料（非水性）
功能 function	涂料通断/多色切换	按装方式 By loading method	外置
涂料吐出量 Paint emission	20-1100ML/M	材质 texture of material	铝/不锈钢
涂料最大粘度 Maximum viscosity of coating	30S/岩田2号杯	针/阀 Needle / valve	无
最大流体压力 Maximum fluid pressure	115psi(8ar)	最多颜色 Most colors	1-32组





我们的合作伙伴
Our partners

ABB
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SANHO 三禾
ASD 爱仕达
Midea
CUORI 卓力
MERMEI
YASKAWA
EFORT
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