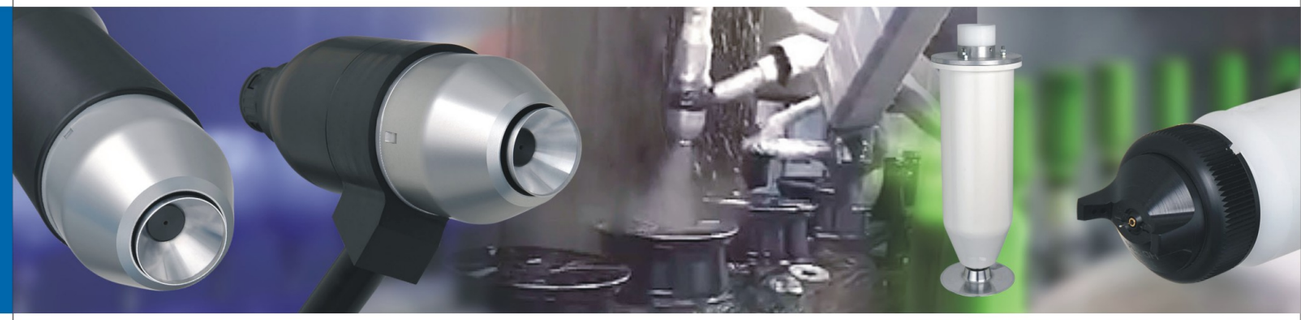
环保 · 低污染 · 高品质

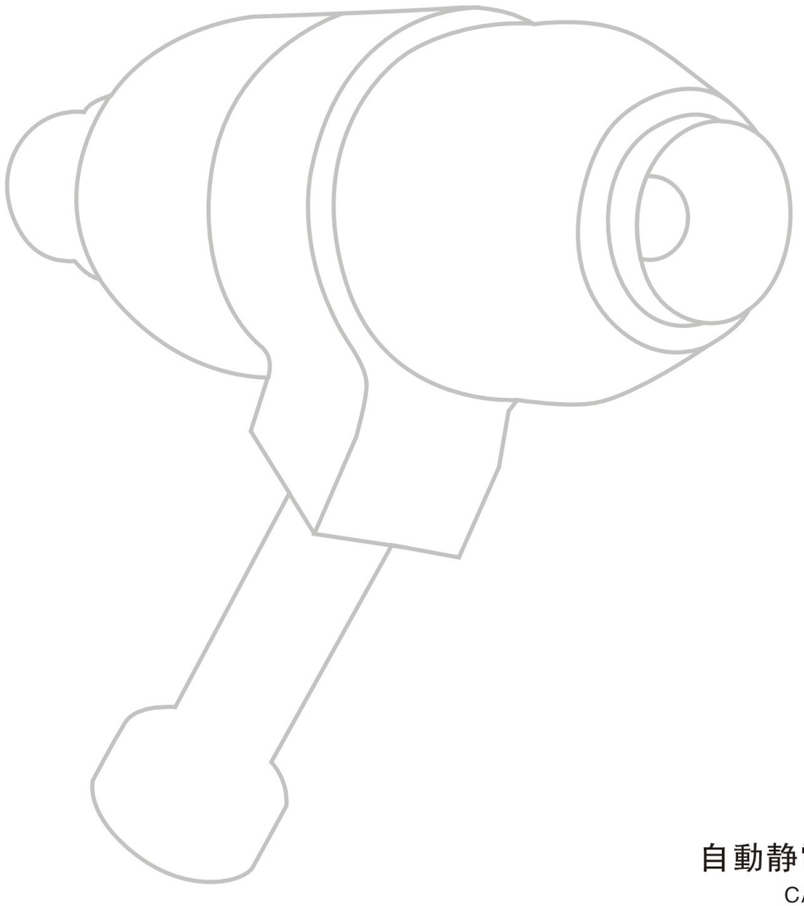
HDA® 咨詢、聯絡 INQUIRY & CONTACT

本公司產品目録，有時會隨着產品的改良，進行了規格形狀的變更，恕不另行通知
There Will Be Any Improvement At Any Time, And No Notice Will Be Given For Those Purchased

請一定按照使用説明書安全地進行使用
Please make sure that it is used safely according to the instruction manual

HDA®



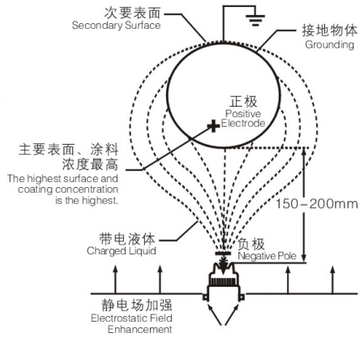


自動静電噴塗設備產品目録

CATALOGUE OF AUTOMATIC
ELECTROSTATIC SPRAYING EQUIPMENT

靜電噴塗是在塗料顆粒上施加高壓靜電荷，塗裝到接地良好的工件上來完成的。靜電噴塗的優點是提高塗料傳遞效率，減少塗料浪費。靜電噴塗技術一般被生產量大、質量要求高的工廠采用，以節省生產成本。

Electrostatic spraying is accomplished by applying high voltage electrostatic charge on the coating particles to the coating parts with good grounding. The advantage of electrostatic spraying is to improve the efficiency of coating transmission and reduce the waste of paint. Electrostatic spraying technology is usually used by factories with large production volume and high quality requirements, so as to save production costs.



静电喷枪原理
ELECTROSTATIC SPRAY GUN PRINCIPLE

靜電噴塗的優點:
ADVANTAGES OF ELECTROSTATIC SPRAYING

極好的表面質量： 塗料被施加靜電荷會進一步霧化，更小的塗料顆粒帶來更好的表面質量。

Excellent surface quality: Coatings are further atomized by applying static charges, resulting in better surface quality with smaller coating particles.

提高生產率： 每個行程使更多的工件表面被噴塗，從而提高噴塗生產綫的效率。

Increase productivity: Each stroke allows more workpiece surfaces to be sprayed, thereby improving the efficiency of the spraying .

節省油漆： 靜電作用帶來的環保效應和均勻的噴塗界面使更多的塗料噴塗到工件表面，其結果是不僅有更好 的表面質量，同時節省塗料20–30%。

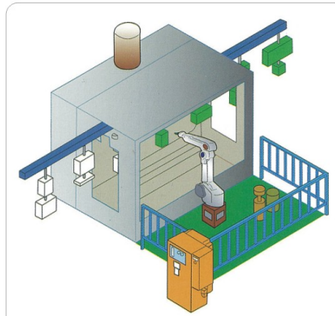
Save Paint: The environmental effect of static electricity and uniform spraying interface make more paint sprayed to the surface of the workpiece, the result is not only better surface quality, but also save 20–30% of the paint.

減少噴房維護： 更多塗料噴塗工件上，更少塗料到噴具、地面、墻壁及濾網上，減少了噴房維護費用，爲操作者創造了清潔的工作環境。

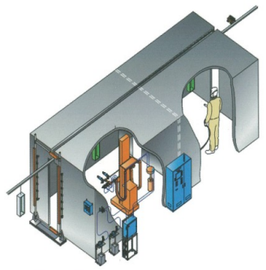
Reduce the maintenance of spraying room: more paint spraying workpieces, less paint to spraying tools, ground, walls and filter screen, reduce the maintenance costs of spraying room, for the operator to create a clean working environment.

保護環境： 高傳遞效率使得塗料消耗少，減少了危害大氣臭氧層的VOC揮發，更好地保護我們的環境。

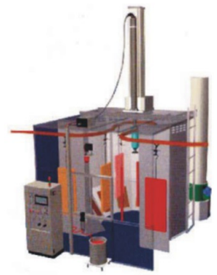
Protecting the environment: High transfer efficiency makes the noon coating consume less, reduces the VOC volatilization which is harmful to the atmospheric ozone layer, and better protects our environment.



機器人噴塗系統 Robot spraying system



側置式噴塗系統 Side mounted spraying system

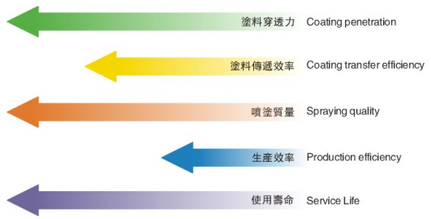


旋碟靜電自動噴塗系統 Rotary disc electrostatic automatic spraying system

靜電噴塗技術
ELECTROSTATIC SPRAYING TECHNOLOGY
HDA®

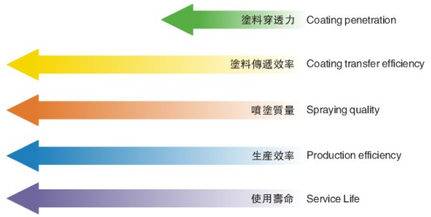
BELL高速靜電旋杯 HDA–60/60T
HIGH SPEED ELECTROSTATIC ROTARY BELL HDA–60/60T

安裝方式: 固定、往復機、機器人
Installation: Fixed,
Reciprocating And Robot



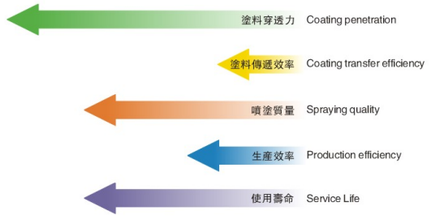
DISK高速靜電旋碟 DA–15
DISK HIGH SPEED ELECTROSTATIC ROTARY DISC DA–15

安裝方式: 往復機
Installation: Reciprocating



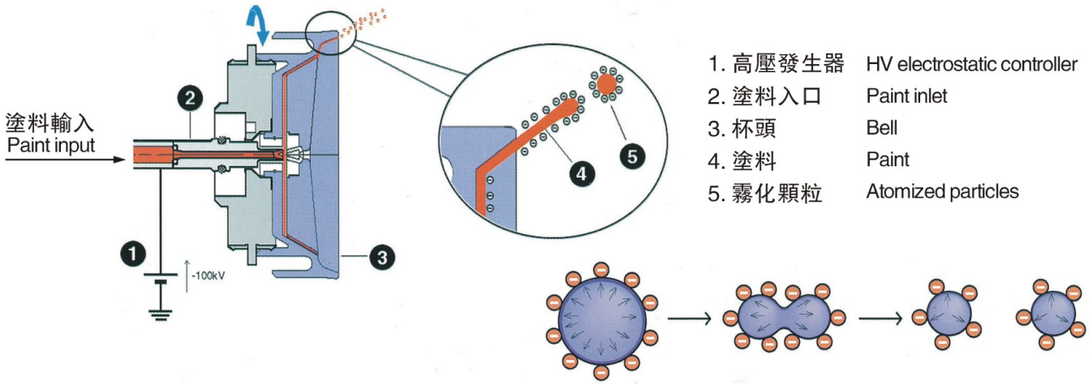
自動空氣靜電噴槍
AUTOMATIC AIR STATIC SPRAY GUN

安裝方式:
固定、往復機、機器人
Installation: Fixed,
Reciprocating And Robot



旋杯的霧化技術
ATOMIZATION TECHNOLOGY OF ROTARY BELL

負載下，轉速5,000到55,000 轉/分鐘 Under load, rotate speed from 5000 to 55000 rpm.



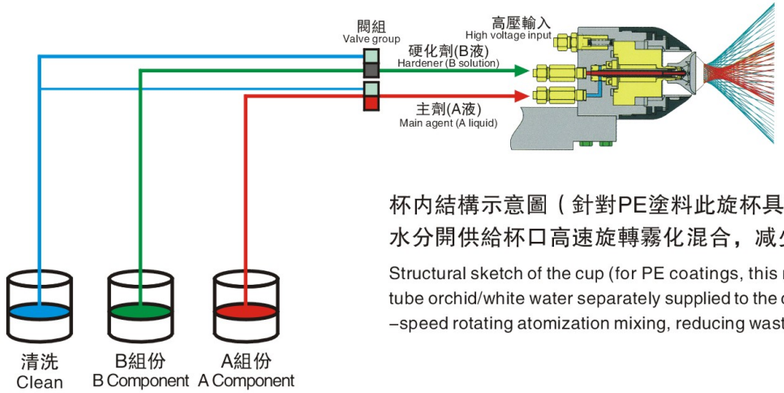
旋杯一般有三種安裝方式：固定、往復機、機器人，塗料從中心輸送到高速旋轉杯頭，杯頭被充電并將80KV的高電壓傳遞給塗料，當塗料接觸到杯頭時，即被充高壓負電荷，因爲這些電荷相互排斥，當塗料離開杯頭時，塗料顆粒被電荷分裂成更小更均勻的顆粒，直到塗料的表面張力與電荷排斥相平衡爲止。

Rotary bell generally has three installation methods: fixed, reciprocating machine, robot, paint from the center to the high–speed rotating bell head, bell head is charged and 80 KV high voltage transmission to the paint, when the paint touches the bell head, is charged with high–voltage negative charge, because these charges repel each other, when the paint leaves the bell head, paint particles It is split by the charge into smaller and more uniform particles until the surface tension of the coating is balanced with the charge repulsion.

靜電效用與高速旋轉的離心力相結合，產生的更好、更均勻的塗料顆粒，這些帶高壓電荷的顆粒被吸引到接地良好的工件上，帶來出色的表面質量和極高的塗料傳遞效率。

The combination of electrostatic effect and high–speed rotating centrifugal force produces better and more uniform coating particles. These high–voltage charged particles are attracted to well–grounded workpieces, resulting in excellent surface quality and high coating transfer efficiency.

A/B組份自動混合簡介
BRIEF INTRODUCTION OF AUTOMATIC BLENDING OF A/B COMPONENTS



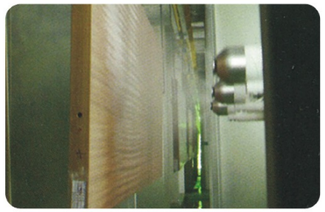
杯內結構示意圖（針對PE塗料此旋杯具有管中管蘭/白水分開供給杯口高速旋轉霧化混合，減少塗料的浪費）

Structural sketch of the cup (for PE coatings, this rotating cup has a tube orchid/white water separately supplied to the cup mouth for high –speed rotating atomization mixing, reducing waste of paint)

HDA–60旋杯(空氣軸承)
HDA–60 ROTARY BELL(AIR BEARING)

往復機旋杯HDA–60
Reciprocating machine rotary bell HDA–60

機器人旋杯HDA–60T
Robot spraying rotary bell HDA–60T



HDA–60旋杯高速靜電旋杯具備突出的性能，極好的表面質量，極高的塗料傳遞效率，非凡的使用壽命，是目前市場同類產品中性能優良的旋杯。

HDA–60 high–speed electrostatic rotating bell has outstanding performance, excellent surface quality, high paint transfer efficiency, extraordinary service life, is the current market similar products with excellent performance of the rotating bell.

强勁可靠，性能優异的空氣軸承渦輪馬達，轉速高達70000rpm，無論是常規油漆，還是高固體粉漆或水性漆均能實現高霧化，確保系統在最佳狀態下運行。

Powerful and reliable, excellent performance air bearing turbine motor, speed up to 70,000 rpm, whether conventional paint, high solid paint or water–based paint can achieve high atomization, to ensure that the system operates under optimal conditions

多種杯頭及噴霧成形罩可供選擇，HDA–60旋杯配置有(ϕ30ϕ50ϕ65)三種杯，杯頭與噴霧成形罩的優化組合，完全能滿足不同類別油漆，不同工件外形的塗裝質量要求。

variety of cup head and spray forming cover can be selected. HDA–60 rotating bells is equipped with three kinds of bells (ϕ30ϕ50ϕ65). The optimum combination of bell head and spray forming cover can completely meet the quality requirements of different types of paint and different workpiece shapes.

靜電高壓設有多重安全保護電路及自行診斷功能（HDA–201型）系統運行安全可靠。管綫，噴槍保護套，防止噴槍及管綫污染，結構緊凑，備件極少，組裝與拆卸及其容易。

The electrostatic high voltage system has multiple safety protection circuits and self–diagnostic function (HDA–201) which is safe and reliable. Pipeline, spray gun protective cover, prevent spray gun and pipeline pollution, compact structure, few spare parts, assembly and disassembly and easy.

性能參數 PERFORMANCE PARAMETER

霧化方式 Atomization mode	渦輪馬達離心力 Centrifugal force of turbine motor	驅動形式 Driving form	空氣軸承渦輪 Air bearing turbine
杯徑 Bell dimension	ϕ30mm ϕ30mm ϕ50mm ϕ65mm	噴幅 Spray width	100~500mm
最大輸出電壓 Maximum output voltage	DC–20~80KV	最大輸出電流 Maximum output current	300 μ A
最大流量 Maximum flow rate	500cc/分鐘	最大轉速 Maximum speed	70000轉/分鐘（空載） 70000rpm（no–load）
最大空氣消耗量 Maximum air consumption	1.0Nm³/min(MAX)	長度 Length	600mm（往復機旋杯） Reciprocating machine rotary bell
重量 Weight	HDA–60/5.5kg HDA–60T/5.5kg 不含管綫 Without cables	靜電控制器 Electrostatic controller	HDA–201
安裝方式 Installation method	往復機，機器人，固定式 Fixed, Reciprocating And Robot		

車輛配件 VEHICLE FITTINGS
木器家具 WOODEN FURNITURE
碳纖體育用品 CARBON FIBER SPORTS GOODS
玻璃制品 GLASS PRODUCTS
建材五金 BUILDING MATERIALS HARDWARE
家電用品 HOUSEHOLD APPLIANCES
所有金屬塗裝 ALL METAL COATINGS

HDA–50旋杯(機械軸承)
HAD–50, ROTARY BELL (MECHANICAL BEARING)

往復機旋杯 HDA–50
Reciprocating machine rotary bell HDA–50

機器人旋杯HDA–50T
Robot spraying rotary bell HDA–50T

HDA–50旋杯高速静電旋杯是應用最廣泛霧化效果最好的旋轉霧化器，對應不同的應用，可獲得最佳的漆裝品質，同時具有極高的上漆率。

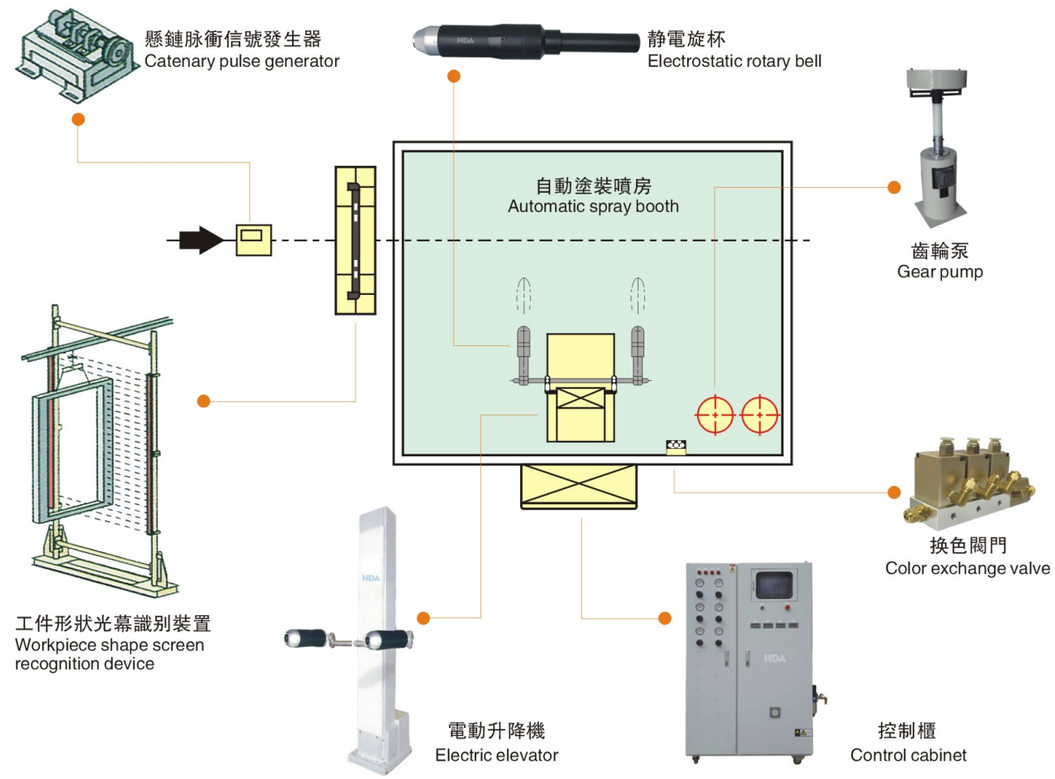
Rotary bell high–speed electrostatic rotating bell is the most widely used rotating atomizer with the best atomization effect. Corresponding to different applications, the best paint quality can be obtained, and the painting rate is very high.

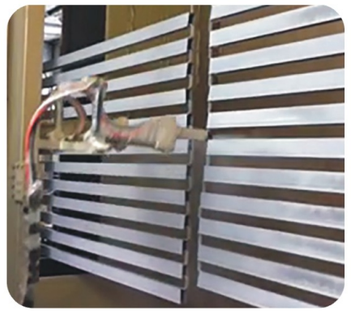
- 采用性能優异，耐久型精密陶瓷軸承，高轉速離心力霧化，均匀噴幅及加上静電排斥霧化，實現塗料微粒化和高品質的塗裝效果。
  High performance, durable precision ceramic bearings, high speed centrifugal atomization, uniform spray amplitude and electrostatic repulsion atomization are used to achieve coating granulation and high quality coating effect.
- 針對不同工件外形尺寸多種杯型可選(ϕ30 ϕ50 ϕ70)
  For different dimension of coating parts, cup type optional (phi 30 Phi 50 Phi 70).
- 雙層杯碟、流道離心力學設計，分配盤可拆卸，易清洗、塗料無殘留。
  Centrifuge design for double cup saucer and runner, dismantling disc can be disassembled, easy to clean and no residue left.
- 漆霧渦旋輸送，穿透力强，極好的滲透效果。
  Paint mist swirling, strong penetration, excellent penetration effect.
- 椎體保護外罩易清理，内置塗料三方向閥，控油快速精準，耗氣量低，高轉速。
  Vertebral protection cover easy to clean, built–in paint three–way valve, fast and accurate oil control, low gas consumption, high speed.

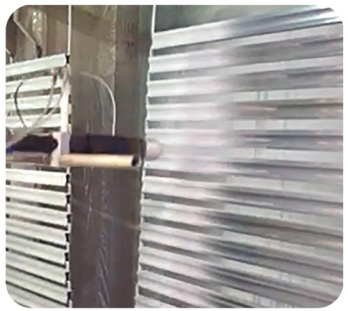
性能參數 PERFORMANCE PARAMETERS

霧化方式 Atomization mode	渦輪馬達離心力 Centrifugal force of turbine motor	驅動形式 Driving form	渦輪驅動 Turbine drive
杯徑 Bell dimension	ϕ30mm ϕ50mm ϕ70mm	噴幅 Spray width	100~500mm
最大輸出電壓 Maximum output voltage	DC–20~80KV	最大輸出電流 Maximum output current	300μA
最大流量 Maximum flow rate	500cc/分鐘	最大轉速 Maximum speed	52000轉/分鐘（空載） 52000rpm（no–load）
最大空氣消耗量 Maximum air consumption	1.0Nm³/min(MAX)	長度 Length	600mm（往復機旋杯） Reciprocating machine rotary bell
重量 Weight	HDA–50/2.5kg HDA–50T/2.0kg 不含管綫 Without cables	静電控制器 Electrostatic controller	HDA–201
安裝方式 Installation method	往復機，機器人，固定式 Fixed, Reciprocating And Robot		

自動系統配置（懸挂綫往復噴塗）
AUTOMATIC SYSTEM CONFIGURATION (SUSPENSION LINE RECIPROCATING SPRAY)



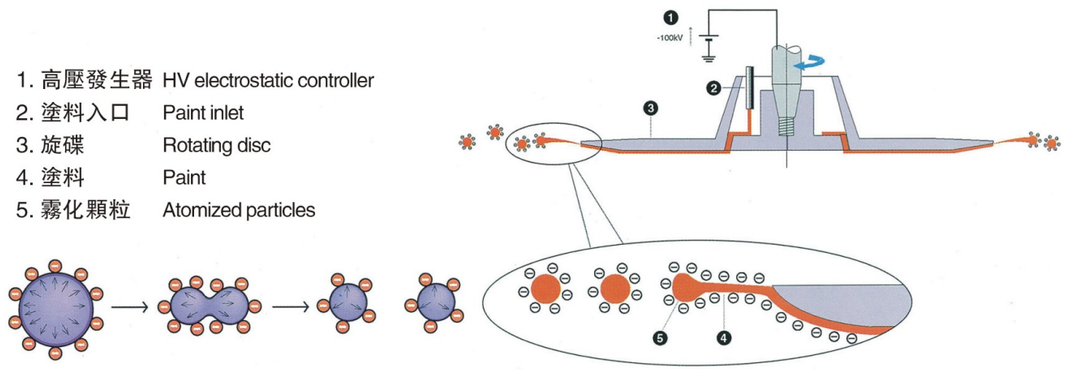




旋碟霧化技術
ROTARY DISC ATOMIZATION TECHNOLOGY

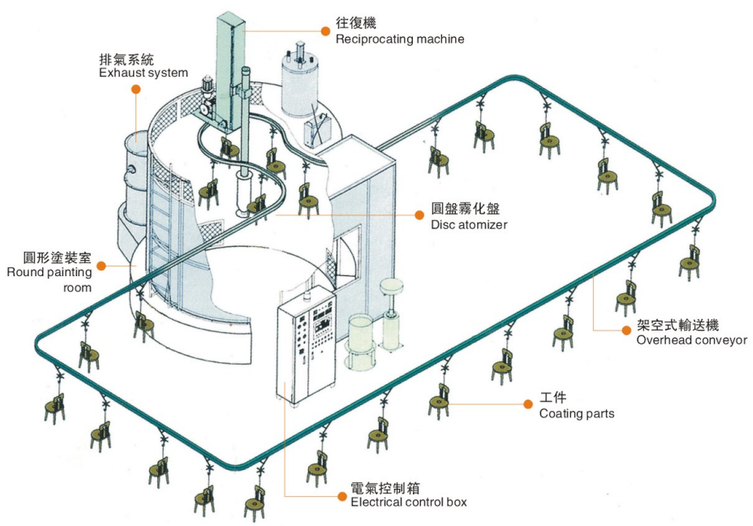
負載下，轉速5,000到23,000 轉/分鐘　Under load, rotate speed from 5000 to 23000 rpm.

1. 高壓發生器 HV electrostatic controller
2. 塗料入口 Paint inlet
3. 旋碟 Rotating disc
4. 塗料 Paint
5. 霧化顆粒 Atomized particles



旋碟一般垂直安裝在Ω輸送鏈的噴房內(見圖)，塗料從高速旋轉的旋碟側面輸入，旋碟被充電并將100KV的高壓傳遞給塗料。當塗料接觸到杯頭時，即被充高壓負電荷，因爲這些電荷相互排斥，當塗料離開杯頭時，塗料顆粒被電荷分裂在更小更均勻的顆粒，直到塗料的表面張緊力與電荷排斥相平衡爲止。

The disc is normally mounted vertically in the spray chamber of the_conveyor chain (see figure), the paint is fed from the side of the high–speed rotating disc, which is charged and transmitted to the paint at 100 KV. When the coating touches the cup head, it is charged with high–voltage negative charges because these charges repel each other. When the coating leaves the cup head, the coating particles are split by the charges into smaller and more uniform particles until the surface tension of the coating is balanced with the charge repulsion.



靜電效用與調整旋轉（5000–23000轉/分鐘）的離心力相結合，產生的更好、更均勻的塗料顆粒，這些帶高壓電荷的顆粒被吸引到接地良好的工件上，帶來出勾搭表面質量和極高的塗料傳遞效率。

Combining electrostatic effects with adjusting the centrifugal force of rotation (5,000–23,000 rpm) produces better and more uniform paint particles that are attracted to well–grounded workpieces by high–voltage charged particles, resulting in collisions Surface quality and high coating transfer efficiency.

DA–15

ϕ220mm　ϕ170mm　ϕ100mm

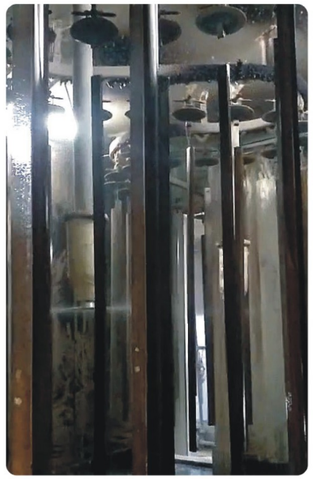
DISK高速靜電旋碟 DA–15
DISK HIGH SPEED ELECTROSTATIC ROTARY DISC DA–15

靜電旋碟是噴塗效率最高的噴塗方式，它采用Ω形狀的輸送方式，可以獲得優良的塗裝品質和極高的塗裝效率，生產效率大幅度提升。

Electrostatic disc is the most efficient spraying method. It adopts the conveying mode of_shape. It can obtain excellent painting quality and high painting efficiency. The production efficiency is greatly improved.

性能參數 PERFORMANCE PARAMETER

型號 Model	DA–15
霧化方式 Atomization mode	離心力霧化 Centrifugal atomization
霧化直徑 Atomization diameter	100mm,170mm,220mm,250mm
最大輸出電流 Maximum output current	300ua
塗料吐出量 Paint discharge volume	0~600cc
最大轉速 Maximum speed	5000~23000（負載下 load）
靜電配置 Electrostatic configuration	外部加電 External charging
安裝方式 Installation mode	往復機 Reciprocating machine
靜電高壓發生器 Electrostatic generator	DA–120
外觀尺寸 Appearance size	直徑 diameter 240mmX650mm
重量 Weight	8kg



HDA-90A

HDA-90B

HDA-1000T

HDA自動空氣靜電噴槍
HDA AUTOMATIC ELECTROSTATIC SPRAY GUN

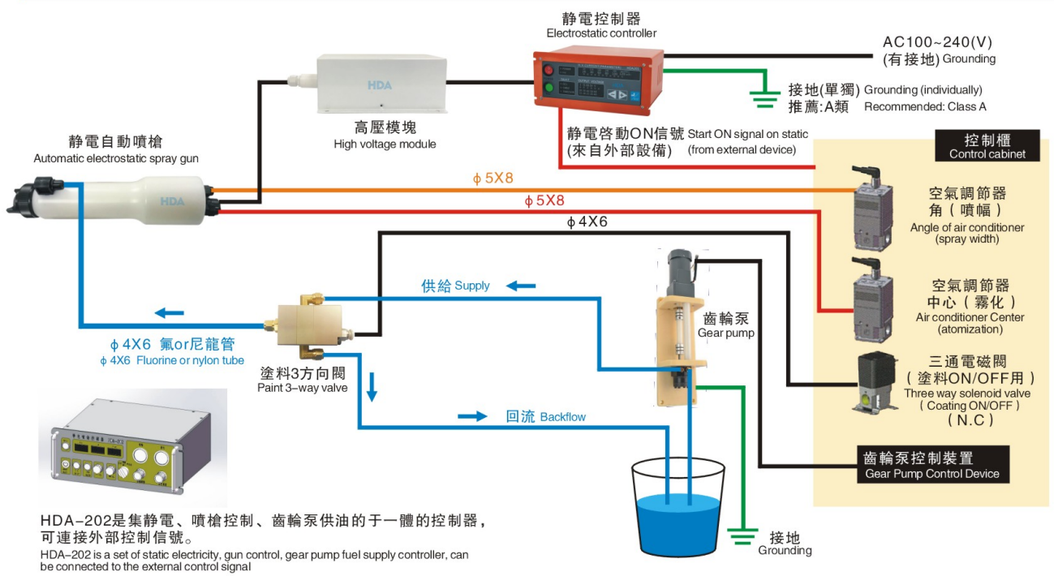
適用于一般工業的自動空氣靜電噴槍靜電噴槍具有結構簡單，易維護，漆霧穿透力强，塗料適用範圍廣，表面效果優良，是大面積色漆噴塗式需要塗料有强穿透力應用的首選產品。

The automatic air electrostatic spraying gun suitable for general industry has the advantages of simple structure, easy maintenance, strong penetrating force of paint fog, wide application range of coatings, excellent surface effect, and is the preferred product for large area paint spraying type which needs strong penetrating force of coatings.

性能參數 PERFORMANCE PARAMETER

最大輸出	Maximum output	80KV		
最大輸出電流	Maximum output current	200ua,300ua(外置 External)		
最大噴幅	Maximum spray	350mm		
最大耗氣量	Maximum air consumption	600NL/min		
最大吐出量	Maximum spit out quantity	600cc/min		
塗料開關	Coating switch	外置閥 External valve		
尺寸	Dimension	HDA-90A/250mm	HDA-90B/185mm	HDA-100/250mm
重量	Weight	HDA-90A/0.8kg	HDA-90B/0.5kg	HDA-100/0.9kg
安裝方式	Installation method	固定、往復機、機器人 Fixed, Reciprocating And Robot		

配置圖 CONFIGURATION DIAGRAM



HDA-202是集靜電、噴槍控制、齒輪泵供油的于一體的控制器，可連接外部控制信號。
HDA-202 is a set of static electricity, gun control, gear pump fuel supply controller, can be connected to the external control signal

靜電塗裝用控制裝置
CONTROL DEVICE FOR ELECTROSTATIC PAINTING

HDA-205靜電控制器
HDA-205 Electrostatic controller

DA-20 高壓模塊
DA-20 High voltage

HDA-201靜電控制器
HDA-201 Electrostatic controller

DA-12高壓發生器
DA-12 HV electrostatic controller

DA-120靜電控制器
DA-120 Electrostatic controller

靜電控制器型號 Electrostatic controller model	HDA-205	HDA-201	DA-120
輸出高壓 Output high pressure	DC-60KV	DC-80KV	DC-100KV
電源 Power Supply	AC220V	AC220V	AC220V
尺寸 Dimension	長/L 220X寬/W 180X高/H 102MM	長/L 220X寬/W 180X高/H 102MM	長/L150X寬/W150X高/H140MM
重量 Weight	3kg	控制器 Controller 3kg	控制器 Controller 1.5kg
		高壓模塊 High voltage module 3kg	高壓發生器 HV electrostatic controller1.5kg
適合噴槍機型 Suitable for airbrush machine	HDA-1000T	HDA-50/60/90	DA-15型

HDA 控制櫃
HDA CONTROL CABINET

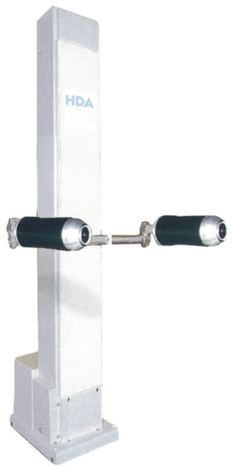
主控制箱、集噴塗、往復機、塗料供給、靜電電壓開關、系統互鎖、警示等功能爲一體，方便操作，配有PLC自動控制系統，自動探測工作間隙、高度等，實現更精準噴塗。（控制櫃可按實際需求定制）

Main control box, set spraying, reciprocating machine, paint supply, s tatic voltage switch, system interlock, warning and other functions as a whole, easy to operate, equipped with PLC automatic control system, automatic detection of working clearance, height, etc., to achieve more accurate spraying. (The control cabinet can be customized according to actual needs)

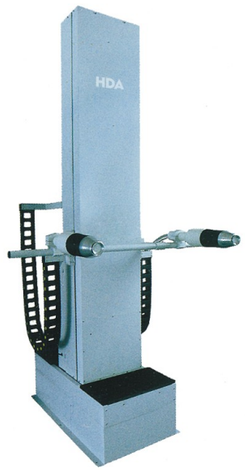
HDA 往復機
HDA RECIPROCATING MACHINE

結合多種工件自動識別系統，往復機運行高速平穩，確保工件塗膜重疊性好，膜厚均勻，表面效果好，采用工業硬化研磨標準綫性滑軌，精密加工、堅固耐用。

Combined with a variety of workpiece automatic identification system, the reciprocating machine runs at high speed and smoothly to ensure good overlap of coating film, uniform film thickness, good surface effect, using industrial hardening grinding standard linear slides, precision machining, durable.



可變行程往復機
Variable stroke to repeat machine



固定行程往復機
Fixed stroke to repeat machine

XY軸追踪式往復機
X Y axis tracer to regenerator

	可變行程往復機 Variable stroke to repeat machine	固定行程往復機 Fixed stroke to repeat machine	XY軸追踪式往復機 X Y axis tracer to regenerator
行程距離 Travel distance	可變 Variable	固定 Fixed	可變 Variable
電源 Power Supply	AC380V 1.1KW	AC380V 2.2KW	AC380V 1.5KW
驅動源 Driving Source	Ac電動機 AC motor	電動機 AC motor	伺服電機 Servo motor
塗裝機往復速度控制 Reciprocating speed control of painting machine	變頻器 Transformer	變頻器 Transformer	伺服電機控制器 Servo motor controller
行程控制 Speed control	10mm單位設定 10mm unit settings	10mm單位設定 10mm unit settings	10mm單位設定 10mm unit settings
升降機速度 Lift speed	5–45米/分鐘 5–45 M / min	5–65米/分鐘 5–45 M / min	Y軸5–60米/分鐘 Y axis 5–60 M / min
行程長度 Speed length	600、1200、1500、1800、2000、2200、2500、2700mm（可定制 Customizable）		
前後臺車(正方向) Front and rear trolley (positive direction)	手動、電動（500mm） Manual and electric (500mm)	手動、電動（500mm） Manual and electric (500mm)	X軸（可定制） X axis (customizable)
控制系統 Control system	PLC控制 PLC control		

精密齒輪泵塗料定量供給
QUANTITATIVE SUPPLY OF PRECISION GEAR PUMP COATINGS

齒輪泵用于塗料精密、定量的供給,是一款對一般工業低成本齒輪泵，是國內應用最廣泛的齒輪泵，針對不同的需求，有多種型號對應。

Gear pump is used for precise and quantitative supply of coatings. It is a low cost gear pump for general industry. It is the most widely used gear pump in China. There are many types of gear pump corresponding to different needs.

1.5cc/ren

3cc/ren

5cc/ren

壁挂型
Wall hanging type

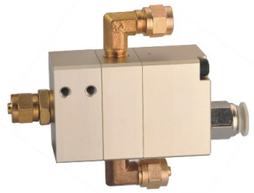
落地型
Landing type

換色閥組及塗料閥
COLOR CHANGE VALVE SET AND PAINT VALVE

塗料閥有開關、清洗、三路閥等類型，可以組合使用，以滿足不同噴塗需求。

Paint valve has switch, cleaning, three–way valve and other types, can be combined to meet different spraying needs.

HCV12開關閥
HCV12 on–off valve



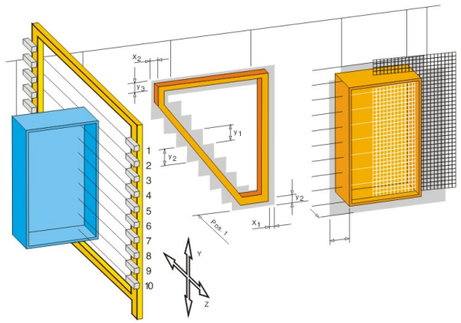
HCV13三路閥
HCV13 three way valve

換色閥（可擴展）
Color change valve (expandable)

光幕檢測系統
LIGHT CURTAIN DETECTION SYSTEM

系統實現工件X、Y方向自動檢出，實現塗料ON–OFF自動控制，這種實時控制不受輸送速度變化的影響。

The system realizes automatic detection of X and Y direction of workpiece and automatic control of paint ON–OFF. This real–time control is not affected by the change of conveying speed.



手持空氣靜電噴槍

MANUAL ELECTROSTATIC SPRAY GUN

是一款噴塗效率高、塗膜精細、耐久性佳、安全性高可讓塗裝操作者發揮的淋漓盡致的靜電噴槍

It is an electrostatic spraying gun with high spraying efficiency, fine coating film, good durability and high safety, which can be used by the coating operator incisively and vividly.

HDA-1020W

HDA-1020M

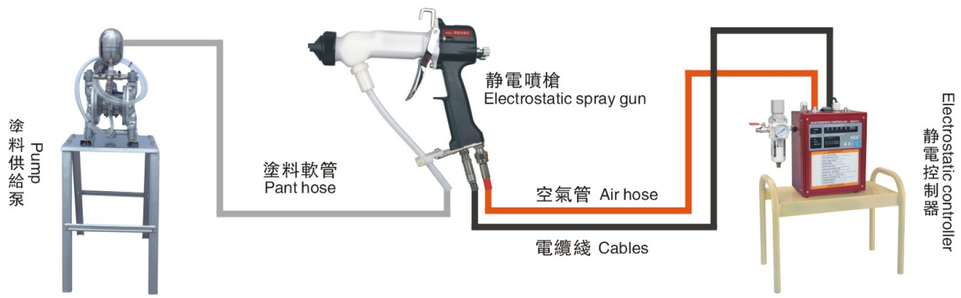
使用塗料 Use of paint		所有導電性塗料/一般塗料/金屬漆 All conductive coatings / general coatings / metal paints.
型號 Model		HDA-1020
最高電壓 Maximum voltage Hydraulic pressure		DC-60KV
液壓 Hydraulic pressure	常用 Commonly used	0-0.3Mpa
	最大 Maximum	0.6Mpa
空氣壓 Air pressure	常用 Commonly used	0.05-0.4MPa
	最大 Maximum	0.6MPa
空氣消耗量 Air consumption		350N1/min(ANR)
空氣入口 Air inlet		螺旋口徑 Sprue diameter PF1/4
塗料入口 Paint inlet		螺旋口徑 Sprue diameter PF1/4
全長(裝HDA-70) Length(with HAD-70 nozzle)		231mm
接續電纜長度 Connecting cable length		5m 8m (最長 Longest 30m)
重量(管綫除外) Weight (without cables)		490g

型號 Model	HDA-114
出力調節 Force regulation	DC-20-60KV
送電電壓 Power supply voltage	AC24V
最大電流 Maximum current	80 μ A
電源 Power Supply	AC100/100/120 ± 10%
尺寸 Dimension	260X160X350
使用環境 Working environment	温度 temperature:0-45℃ 濕度 Humidity:20-85%
重量 Weight	4.5kg

HDA-114

噴嘴 Nozzle
HDA-70

標準構成圖 STANDARD COMPOSITION DIAGRAM



車輛配件 VEHICLE FITTINGS
木器家具 WOODEN FURNITURE
碳纖體育用品 CARBON FIBER SPORTS GOODS
玻璃制品 GLASS PRODUCTS
建材五金 BUILDING MATERIALS HARDWARE
家電用品 HOUSEHOLD APPLIANCES
所有金屬塗裝 ALL METAL COATINGS

油漆和溶劑規格

PAINT AND SOLVENT SPECIFICATIONS

可用溶劑選擇指南 AVAILABLE SOLVENTS SELECTION GUIDE

化学名称 Chemical name	常用名 Common name	类别 Category	**闪点 (TCC)	*CAS编号 CAS code	蒸发速度 Evaporation rate	电阻 Resistance
二氯甲烷 Dichloromethane	甲叉二氯 Methylene chloride	氯化溶劑 Chlorinated solvents		75-09-2	14.5	高 High
VM & P 石腦油 VM & P naphtha	石腦油 Naphtha	脂肪烴 Fatty hydrocarbon	65℉	8030-30-6	10	高 High
丙酮 Acetone		酮類 Ketone	-18℉	67-64-1	5.6	低 low
乙酸甲酯 Methyl acetate		酯類 Esters	90℉	79-20-9	5.3	低 low
苯 Benzene		芳香烴 Aromatic hydrocarbons	12℉	71-43-2	5.1	高 High
乙酸乙酯 Ethyl acetate		酯類 Esters	24℉	141-78-6	3.9	中 Centre
丁酮 Butanone	MEK	酮類 Ketone	16℉	78-93-3	3.8	中 Centre
乙酸异丙酯 Isopropyl acetate		酯類 Esters	35℉	108-21-4	3.4	低 low
异丙醇 Isopropanol	IPA	醇類 Alcohols	53℉	67-63-0	2.5	低 low
戊酮 Amyl ketone	MPK	酮類 Ketone	104℉	107-87-9	2.5	中 Centre
甲醇 Methanol	木酒精 Methyl alcohol	醇類 Alcohols	50℉	67-56-1	2.1	低 low
乙酸丙酯 Propyl acetate	乙酸正丙酯 N-propyl acetate	酯類 Esters	55℉	109-60-4	2.1	低 low
甲基苯 Methyl benzene	甲苯 Methylbenzene	芳香烴 Aromatic hydrocarbons	48℉	108-88-3	1.9	高 High
甲基异丁基甲酮 Methyl isobutyl ketone	MIBK	酮類 Ketone	60℉	108-10-1	1.6	中 Centre
乙酸异丁酯 Isobutyl acetate		酯類 Esters	69℉	110-19-0	1.5	低 low
乙醇 Ethanol	酒精 Alcohol	醇類 Alcohols		64-17-5	1.4	低 low
乙酸丁酯 Butyl acetate		酯類 Esters	78℉	123-86-4	1.0	低 low
乙苯 Ethylbenzene		芳香烴 Aromatic hydrocarbons	64℉	100-41-4	0.89	高 High
1-丙醇 1-Propanol	正丙醇 N-propyl alcohol	醇類 Alcohols	74℉	71-23-8	0.86	低 low
2-丁醇 2-butanol	仲丁醇 Sec.-butyl alcohol	醇類 Alcohols	72℉	78-92-2	0.81	低 low
二甲基苯 O-xylene	二甲苯 Xylene	芳香烴 Aromatic hydrocarbons	79℉	1330-02-07	0.80	高 High
醋酸戊酯 N-amyl acetate		酯類 Esters	106℉	628-63-7	0.67	中 Centre
甲基内醇 Methylinternal alcohols	异丁醇 Isobutanol	醇類 Alcohols	82℉	78-83-1	0.62	低 low
乙酸甲代戊基酯 Methyl amyl acetate		酯類 Esters	96℉	108-84-9	0.50	低 low
5-甲基-2-己酮 5-methyl-2-hexanone	MIAK	酮類 Ketone	96℉	110-12-3	0.50	中 Centre
1-丁醇 1-butanol	正丁醇 N-butyl alcohol	醇類 Alcohols	95℉	71-36-3	0.43	低 low
2-乙氧其乙醇 2- ethoxy ethanol		乙二醇醚 Glycol ether	164℉	110-80-5	0.38	低 low
2-庚酮 2-heptanone	MAK	酮類 Ketone	102℉	110-43-0	0.40	中 Centre
環已酮 Cyclohexanone		酮類 Ketone	111℉	108-94-1	0.29	中 Centre
芳族100 芳族100	SC# 100	芳香烴 Aromatic hydrocarbons	111℉		0.20	高 High
二异丁酮 2,6-dimethyl-heptan	DIBK	酮類 Ketone	120℉	108-83-8	0.19	中 Centre
正戊醇 N-amyl alcohol	戊醇 Amyl alcohol	醇類 Alcohols		71-41-0	0.15	低 low
雙丙酮醇 Diacetone alcohol		酮類 Ketone	133℉	123-42-2	0.12	低 low
2-丁氧基乙醇 Cyclohexanol	丁基溶纖劑 Butylcellosolve	乙二醇醚 Glycol ether	154℉	111-76-2	0.07	低 low
環已醇 Cyclohexyl alcohol		醇類 Alcohols	111℉	108-93-0	0.05	低 low
芳族150 Aromatics 150	SC#150	芳香烴 Aromatic hydrocarbons	149℉		0.004	高 High
芳族200 Aromatics 220		芳香烴 Aromatic hydrocarbons	203℉		0.003	高 High

加快 Accelerate

減慢 Slow down

*CAS編號:化學文摘登記號
**揮發性流體點燃的最低温度
蒸發速度基于速度爲1.0的已酸丁酯