

2019



# THE NEW COLO

Hangzhou Color Powder Coating Equipment Co.,Ltd

COLO is your global partner in powder coating solution.  
From manual units to fully automated systems

## Easy control of the application parameters

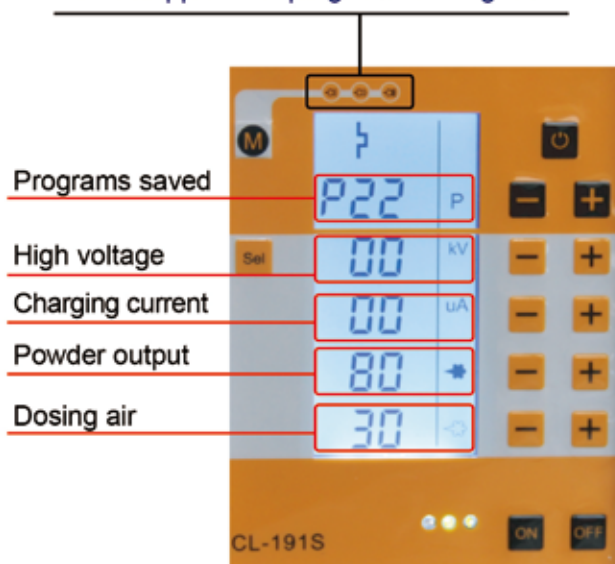


Clear interface

Easy for beginners

Powerful for specialists

### Pre-set application programs for beginners



- CL-191S offers 3 pre-set standard application programs for flat parts, profiles and recoating. It is very easy to operate for a beginners .
- Allows you to create and store your own application programs, optimized for your parts and powder. Each part can be coated always with its ideal settings for experience operator.
- A clear and easy to use interface makes it easy for every user to take advantage of these powerful technologies

## Manual coating systems CL-191S Series

The machine has a one-button automatic cleaning function for easy color change and cleaning

### CL-191S-F Series

Complete Hopper Feed Powder Coating Units

- Available as Box, Hopper, Stationary and Cup Feed Units
- The closed hopper protects powder from the ambient and gently fluidizes it for an ideal powder delivery



### CL-191S-B Series

Complete Box Feed Powder Coating Units

- Full Digital Control
- Independent Control of Powder Output, Airflow, Gun Voltage and Current
- Up to 21 individual Recipes Can Be Saved for Future Use
- Features the Colo-08 Light Electrostatic Handgun with Multiple Nozzle Options
- Excellent for Coating Boxes, Wheels, Piping, MDF, Extrusions
- Highest Transfer Efficiency in the Industry Resulting in Lower Operating Costs
- Smooth Surface Finishes, Smooth Surface Finishes, Excellent Faraday Cage Penetration and Low Flow Injector Options. All the powder in the box can be used thanks to the inclined vibrating table. The fluidized suction tube is optimized for a constant powder delivery.





## CL-191S-T-C Cup Gun Coating System

- It is small cup type hopper (150mL) and use at sample coating of small quantity at laboratory.
- Discharge rate control by simple operation
- Spraying powder evenly automatically
- Cleaning is easy and convenient to separate

## CL-191S-T-B

This clear hopper can carry 2 pounds powder, any powder injector can work with it.



## CL-191S-T-H Mini Hopper Coating System

- Convenient at tiny products coating
- Mini hopper choice of small capacity (4 liters)
- Size of hopper is small that removal is convenient
- Assembly and dissolution are easy that clean is easy



## Intelligent powder coating system



### Recoat mode

Adjusts both the voltage and current automatically for efficient recoating



### Corner mode

Adjusts voltage while maintaining current output for coating complicated corners and recesses



### Flat mode

Controls the voltage and current for maximum efficiency when coating flat workpieces.



Allows user manually adjust the voltage as needs

vibration manual spray system

for FAST COLOR CHANGES



COLO-800D-L2

Applicable to a large number of coating job with powder keg 50L

COLO-800D-L2-B

## Innovative powder coating System

Advanced coating features such as C-Pulse, a coating option that is said to penetrate tough Faraday cage areas, reducing time and material consumption

### Enhanced coating quality of flat and complex parts

- Reduced operator fatigue
- Effective coating in corners and recesses
- Improved recoating ability



**COLO-668-L3**



**COLO-668-L3-B**



## Pre-programmed Mode Control Unit

The Colo-660 features an innovative design with four pre-programmed control options that allow you to easily coat a variety of parts.

Colo-660

- **COATING MODE**  
Operator controls the voltage and current for maximum efficiency
- **RECOAT MODE**  
Adjusts both the voltage and current for efficient recoating
- **CORNER MODE**  
Adjusts voltage while maintaining current output for coating complicated corners and recesses
- **PULSE MODE**  
Rapidly recharges the powder for higher transfer efficiencies



### Technical Data

Weight of Gun	550 g	Voltage Output	100kV
Length of Gun	330 mm	Max. Current Output	180
Power Source	AC220V/110V	Polarity	Negative
Frequency	50~60Hz	Max. Injection Capacity	650g/Min
Power Consumption	50W	Air Consumption	MAX. 13N/h
Voltage Input	DC 24V	Temperature Range in use	-10~50

COLO-660-B



COLO-660T-C



COLO-660T-B



COLO-660T-H





**COLO-500-PGC1**

PGC 1 Control module with the  
PG 1 Powder Gun



**COLO-500 Star**

Colo-500 provides excellent transfer efficiencies, superior powder penetration and a quality finish. It is ideal for medium to large production runs.



**COLO-900T-03C**

**COLO-900T-03C**

Designed for small sample testing of power manufacturers. Cup gun hold 120 gram.



**COLO-900T-C**

**COLO-900T-C**

The perfect solution for laboratory powder coating or small coating job applications

## K2 powder coating machine for high quality powder coating



k2-1



k2-2

- newly integrated technology can lead to powder savings due to excellent transfer efficiency, easily penetrating corners
- Anti-static powder hose is developed with new technology and it can prevent risk of fire by removing spark or electrical arc.
- Prevents safety accidents caused by electrostatic shocks to the worker.
- The new technology of one touch button installed in the gun enables you to clean inside of the gun and powder hose easily and quickly.



K2-3



K2-4



K2-5





**Remote control**  
offers flexibility  
during application



**New nozzle concept**  
for perfect coating



**Ergonomic handle**  
provides the  
perfect grip



**Quick release coupling**  
for fast and efficient  
color changes





## COLO-08 powder gun parts & accessories











COLO 52A



COLO 52B



COLO MINI01



COLO MINI02



COLO MINI03



COLO MINI B



COLO 62A



COLO 62B



COLO 62C



COLO 40A



COLO 40B



COLO 40C



COLO 40D



COLO R01



COLO S01/S02



Spare Parts



COLO-55A







CW-X1 cascade w64

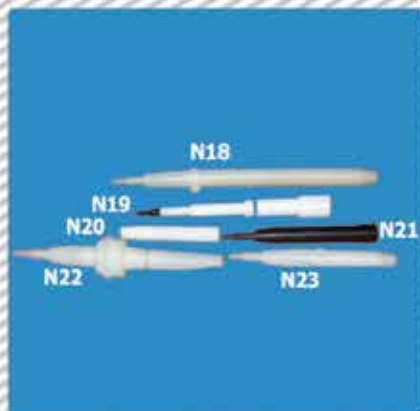


CW-X1 extension

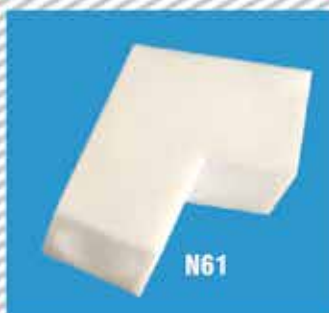


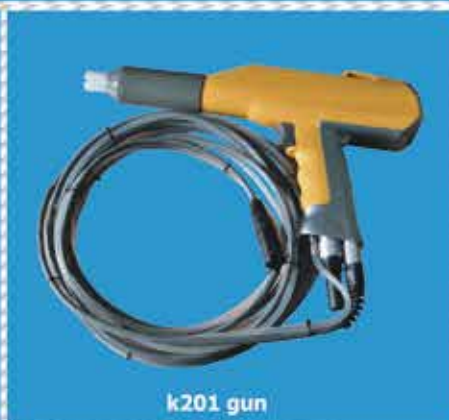
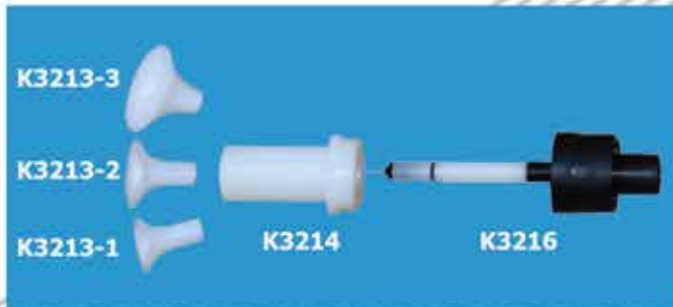
x1-gun

















## COLO-2000D

Frequency-adjustable reciprocator is specially designed for high quality powder coating, it can carry up to 2-12pcs spray guns and optional for wet painting guns as well

### Feature of the reciprocator:

- 80 storable programs
- Frequency: Japanese Mitsubishi

### Technical Characteristics

## COLO-2200D

COLO-2200D Reciprocator is electrically driven by a frequency control motor via PLC, give gentle and precise motion, thus ensuring perfect coating result. It is wheeled for easy moving and fix, the slim column design allows for space saving arrangement of the guns.

### Feature of the reciprocator:

- Could store 20 programs
- Easy operation
- Smooth and accurate running
- Solid and maintenance free
- Height or the stroke adjustable and customized

Powe supply	AC 220V/110V 50HZ-60HZ	Stroke	1.5m/1.8m/2m/2.5m
Power of motor	0.75kw/1.1kw	Speed	0-0.8m/s(0-50m/min)
Speed	0~50m/min	Standard size	850*680*2970mm
Max load capacity	25 kgs	Weight	295kg

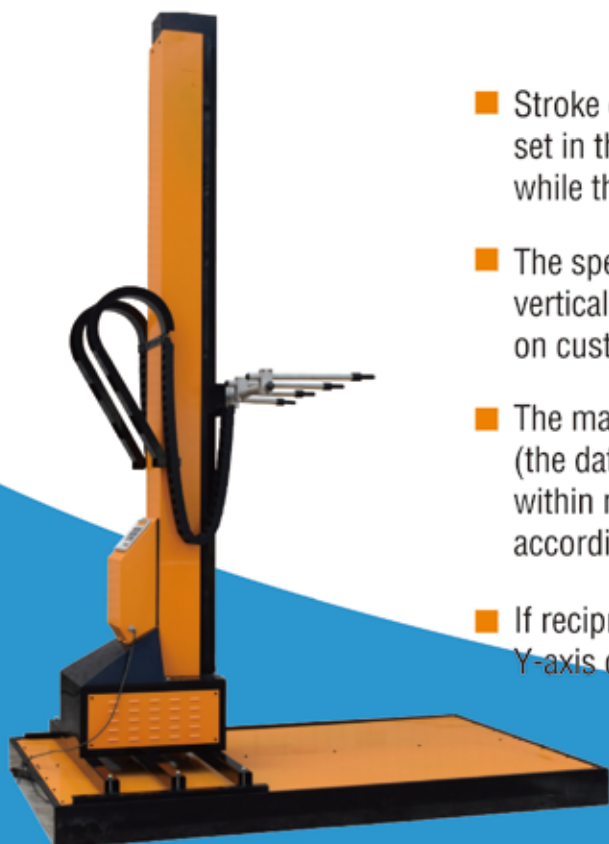


## Automatic Reciprocator

The programmable two-dimensional and three-dimensional intelligent controllable reciprocator is specially designed to improve the working efficiency and coating quality. The equipment can meet the highest requirement of coating quality, as the ideal product for improving surface finishing coating design.

### Features and Advantages

- Stroke can be adjusted in the controller; each part can be arbitrarily set in the travel range of the upper and lower limited position, while the speed can be set in a certain range.
- The speed of vertical direction in X-axis can be segment adjustable; vertical speed up to 78m/min (the data can be customized based on customer needs).
- The maximum speed of fore-and-aft direction in Z-axis is 10m/min (the data can be customized based on customer needs), adjustable within motion stroke range. there is a corresponding motion control according to the detection of part position signal.
- If reciprocator position changed, Z-axis direction would move to Y-axis direction (moving with the production line)



**2Axes long stroke reciprocator**

### Technical data

<b>Standard stroke</b>	1000-2000
<b>Lifter loading</b>	40kg
<b>Speed range</b>	0-1M/S (Variable frequency adjustable)
<b>Voltage</b>	220V AC±10%
<b>Power</b>	0.75KW 0.37KW
<b>Up and down point delay</b>	(Up and down point movement, adjustable)



**Horizontal reciprocator**

## BEST GUNS FOR COLOR CHANGES

Our highly efficient powder guns colo-08 are the heart of the powder coating plant.

They guarantee the best coating results and uniform powder deposition. The manual gun OptiSelect excels by its outstanding ergonomics and the low weight

The optimized design, the smooth material and the innovative nozzles make

Colo-08 guns the best for color change.



- ★ Ideal internal design of the powder path
- ★ Optimized gun body design
- ★ High quality no-stick material, use of high quality no-stick materials
- ★ Prevents powder accumulations and short circuits tendency with metallic powders.

## BEST GUNS FOR COLOR CHANGES



### Easy maintenance, long lifetime

It's easy to keep your gun in perfect conditions for many years. All the components can be quickly dismantled and checked, without special tools



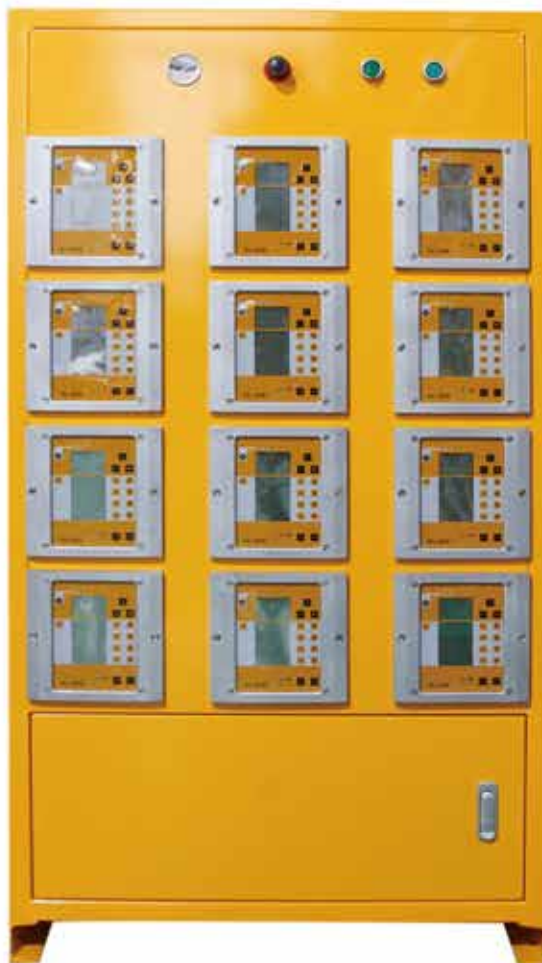
### Powerful and flexible for specialists

The CL-191S allows you to create and store your own library of application programs, optimized for your parts and powder.



## CONTROL PANEL(colo-5000-191s)

The system can control reciprocator and auto powder coating system with central studio type(option).



CL-191S-A-12P  
(The control unit quantity can change according to the order )



- New control unit with communication function
- Use one host to control multiple extensions
- PLC, touch screen and other devices use RS485 modbus protocol to communicate with the gun
- PLC, touch screen and other equipment control one powder gun host, and the remaining control extensions are controlled by this powder gun host

## Central control system for multi automatic guns

- Featured with expandable and economic advantages
- Provide the general control function of main electricity and air
- Size can be custom-made, 2-12pcs control units available
- Easy for operation and maintenance



**COLO-PGC1A**



**COLO-800DA**



**COLO-660A**



**COLO-5000-PGC1**



**COLO-5000-800D**



**COLO-5000-660**



**COLO-668A**



**COLO-5000-668**



## CL-6000

**Powder center for fast color changes and improvement of productivity**

**The powder feed central system** provides fast color change. The automatic spray gun, various powder hoses, and injectors will stay clean automatically during color change. A filter system maintains a comfortable indoor environment by transferring dusts during cleaning. The unit is fully programmable.

**The powder position sensor** will detect the position of the powder. A lack of powder will signal a warning which will fluidized the powder barrel: 100 liter capacity. The cover extends the capacity and will prevent the powder from wafting.

**Shake table:** If you do not use the fluidized powder box, the powder can also be placed directly in the original packing carton shock stage. From there the powder can be pumped directly from the carton supply to the powder gun. It does not require cleaning when changing the powder coating box.

**The automatic sifter** contains a screen which removes impurities contained in the recovered powder.

**Control System:** Touch screen operator panel and keyboard input Increase the supply of new powder automatically. Automatic matching of old and new powders together.

## TECHNICAL PARAMETERS

1. Power supply voltage: 1P 220VAC (110V)
2. Power: 500W
3. Air pressure: 0.6-0.8MP
4. Can be equipped with up to 16 powder pump

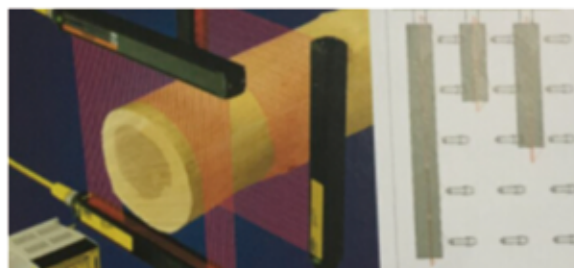


## ADVANCE FEATURES

- Powder barrel lid design saves powder
- Original packaging for direct supply powder
- Nested structure design, cleans thoroughly
- High quality fluidization is achieved through vibration from our newly designed fluidized plate and powder
- Powder-bit auto-detection alarm
- Increase the supply of new powder automatically
- Automatic matching of old and new powders together.

## workpiece detection system

With grating induction and detection, workpiece delivers the signal which was monitored, to the central control system, then the central control system calculates the work time of workpiece's arrival towards spray gun, thus automatically opens or closes automatic spray gun, based on the conveyor chain speed that encoder has detected.



### Applications:

All kinds of automatic powder coating applications.

### Features:

- Automatic control;
- save powder
- reduce the empty spray;
- improve the uniformity of the layer.

### Specifications:

Gap control: it opens spray gun only with the workpiece existing so as to reduce the empty spray. It is used to identify gaps and workpiece's width, which opens spray gun only with the workpiece existing. Moreover, when spraying workpieces with different width or thickness, the system can automatically adjusts the distance that the spraying gun towards the surface of workpieces to make it keep the same, in order to reduce the empty spray and improve the uniformity.



## Powder Sieve Machine



**COLO-3000-S**



**COLO-3000-R**



**COLO-4000**



**COLO-34-01**

**COLO-34-02**



### COLO-3000

Powder coating recovery equipment for recycle the powder coatings with the capacity of 80kgs-100kgs used in the automatic powder coating lines. Import motor ensure the lifetime.

### COLO-4000

To semi- Automatic recycling the powder lost in the process of electrostatic powder coating on metallic workpieces.

## Value • Flexibility • Performance



### Feature :

- Economic ,Easy Operation, Good for Small Work Piece
- Durable, long-life powder-coated steel structure with high-quality galvanized canopy and floor
- Requires only quick, easy connect electrical and pneumatic to start production

## COLO-S-1115

### Application:

- This powder spray booth is an economical solution for basic powder coating operations,with filter powder collecting system.
- For job shops, first-time powder coating and to assist large in-house powder coating operations, this powder spray booths offer a variety of configuration options.

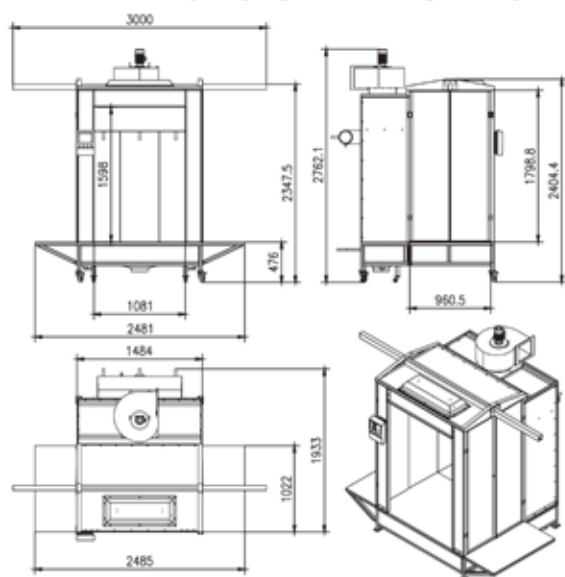


### TECHNICAL DATA:

<b>Model</b>	COLO-S-1115	<b>Voltage</b>	380V
<b>Booth Type</b>	Closed	<b>Frequency</b>	50-60Hz
<b>Operator dimensions</b>	1000x1500x1000(W*H*D)mm	<b>Filters</b>	Polyester
<b>Overall dimensions</b>	1200x2000x1500(W*H*D)mm	<b>Filters count</b>	2
<b>Weight</b>	200kg	<b>Filters hang type</b>	easy for change
<b>Power supply</b>	Electric	<b>Filter cleaning system</b>	Pneumatic
<b>Nominal power</b>	1.5kWt	<b>Warranty</b>	12 months



## Value • Flexibility • Performance



### Tunnel Booths

- This booth is having side doors & article holding track entry & exit is from side through doors.
- By this way material handling is systematic i.e. from one side entry, coating & then exit from other side.
- If for spraying two side, could make 2 operation doors.
- In exceptional case, if article is very long then a door can be kept open & coating is done step by step by moving article slowly.
- In this case recovery will be reduced.



**COLO-S-2152**



Model:COLO-S-2152

<b>Booth Type</b>	Closed-drive-thru	<b>Frequency</b>	50-60Hz
<b>Operator dimensions</b>	1400*1800*1000(W*H*D)	<b>Filters</b>	Polyester
<b>Overall dimensions</b>	2500*2300*1500(W*H*D)	<b>Filters count</b>	3
<b>Weight</b>	450kg	<b>Filters hang type</b>	easy for change
<b>Power supply</b>	Electric	<b>Filter cleaning system</b>	Pneumatic
<b>Nominal power</b>	3.5kW	<b>Air consumption</b>	10,200m3/h
<b>Voltage</b>	380V	<b>Warranty</b>	12 months



# Powder Spray Booth

The manual coating booth COLO-S series are ideal for small batches and highest quality.

**Value • Flexibility • Performance**



**COLO-S-1517**



**COLO-S-2315**

**100% Polyester filters,  
quick-release type**



**simple PLC control unit**

## THE ADVANTAGES OF THE COLO-S BOOTH:

- Powder coated steel booth, moveable
- Delivered ready for connection
- Integrated Illumination
- Mobile powder collecting hopper
- Simplified filter cartridge for changing
- Supervision of minimal exhaust air volume

### Technical Data

#### COLO-S-1517

#### COLO-S-2315

No. of filter elements	3	4
Extraction volume	4000 m <sup>3</sup> /h	6600 m <sup>3</sup> /h
Fan power, effective	2.2kw	4.0kw
Voltage/Frequency	3 phases 380V/50HZ (or as request)	
Compressed air consumption	15 m <sup>3</sup> /h/6bar input pressure	
Weight (approx.)	480kgs	580kgs

### Booth dimensions

Width	1500(1580) mm	2300(2550) mm
Depth	1000(2000) mm	1500(2100) mm
Height	1700(2150) mm	1500(2240) mm



## Walk-in Booths

Walk in Booths (also called Cabin Booths) are ideal when coating large and bulky or heavy parts.

As the name suggests, after the part to be coated has been rolled into the cabin, the operator walks in and coats the parts from all sides.

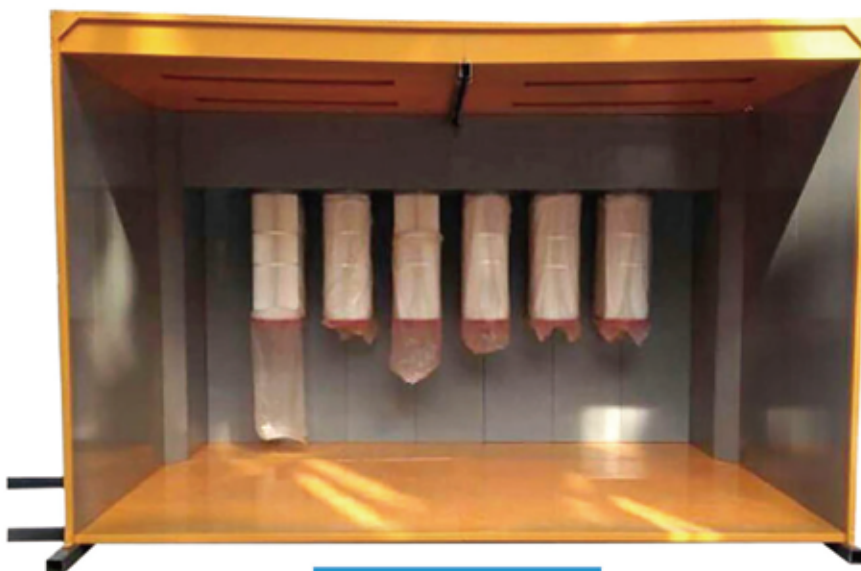
These parts are then rolled out directly into the powder curing oven.

These booths find use in batch system for control panels, cabinet, large iron cast products, etc.

Walk in Booths also could have mono Cyclones as a recovery system.



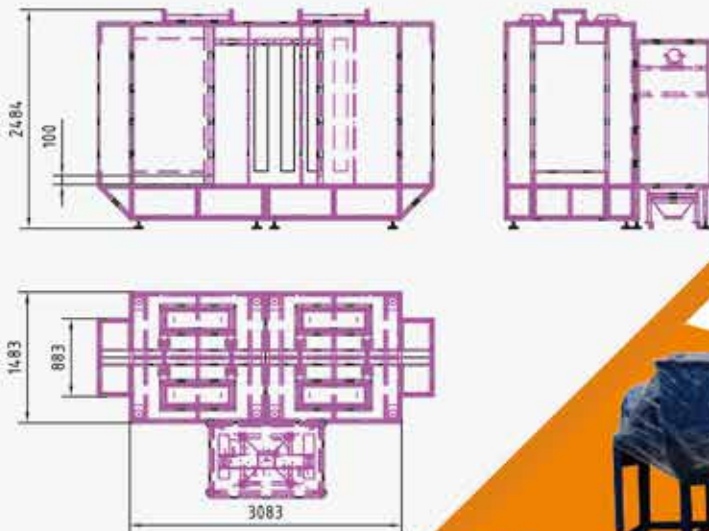
**COLO-S-3222**



**COLO-3924**

Model	COLO-S-3222	COLO-3924	COLO-3217
Working dimensions	W2300 *H1850 *D1500mm	W3900 *H2400*D2400mm	W3000 *H2000*D1700mm
Overall dimensions	W2504 *H2169*D2002mm	W4013 *H3347*D2713mm	W3203 *H2168*D2200mm
Filters count	4 pcs.	12 pcs.	5 pcs.
Nominal power	4kw	5.5kw	4kw
Nominal voltage	As required	As required	As required
Air consumption	4000m3/h	8000m3/h	4000m3/h

## Special for LPG cylinder



### COLO-S-3145

Tunnel type with rotatable hanger and track on the top of spray booth suitable for spraying all round or cylinder parts.  
With One hand spraying door and a automatic operating door



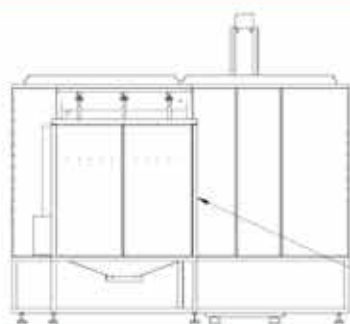
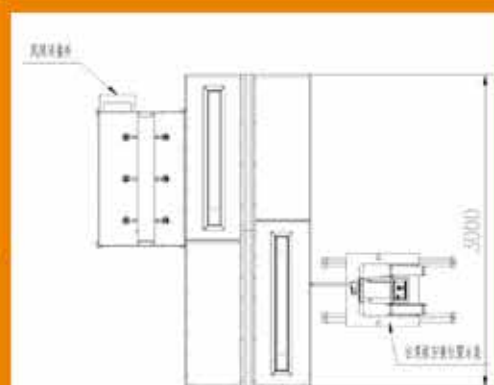
<b>Booth Type</b>	Drive-thru	<b>Frequency</b>	50-60Hz
<b>Operator dimensions</b>	3000*1400*1550(L*W*H)	<b>Filters</b>	Polyester
<b>Weight</b>	750kg	<b>Filters count</b>	4
<b>Power supply</b>	Electric	<b>Filters hang type</b>	easy for change
<b>Nominal power</b>	5.5kW	<b>Filter cleaning system</b>	Pneumatic
<b>Voltage</b>	380V	<b>Warranty</b>	12 months



## Tunnel Powder Coating Booth

**The coating booth is designed for the double-sided automatic or manual coating with a conveyor system.**

Parts enter the booth through the conveyor openings, then pass the coating operator stations to receive the coating. The powder overspray is entrained within the air stream moving to the collector module, where the cartridge filters will remove the particulate. The containment air is drawn through the air handler's primary and final filter system before being discharged back into the room. Coated parts exit the booth for conveyance to the cure oven.



或太郎与樱富士半后使用以5-御心进候  
 永住由御意候。云々



COLO-S-3212



### Operator dimensions

620width x 1500 height x 2920 depth (2PCS)

**Overall dimensions** 1200width x 2033 height x 3000 depth

**Weight 500kg**

## Power supply Electric

**Nominal power 4kw**

**Voltage** 380V( can be different as request )

**Frequency 50-60Hz**

### Filters Polyester

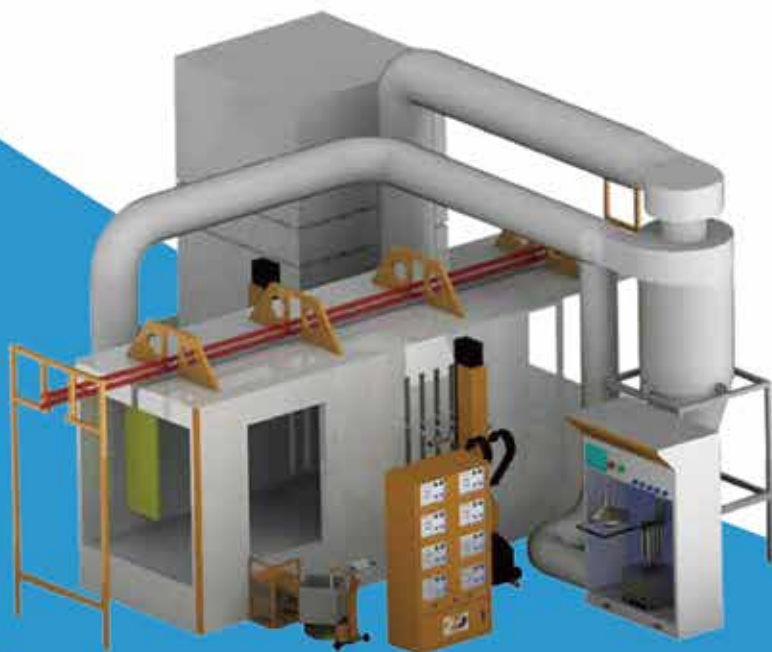
**Filters** count 4

### Filters hang type easy for change

**Filter cleaning system** Pneumatic

**Warranty 12 months**

## MONO-CYCLONE POWDER COATING BOOTH



Cyclone bottom cone bucket can be quickly separated from the barrel for easy cleaning.

### Mono-cyclone fast color change powder coating booth

The bottom of spray booth equipped with an automatic device and automatically air knife keep the bottom always no Powders stay

### MONO-CYCLONE SEPARATOR

- Mono-Cyclone single-tube structure makes clean up shorter color change.
- Mono-cyclone separation rate of up to 98%.
- Disc Cone bucket and cylinder junction of the filter shaking motor efficiency vibration screening.
- Removable disk cleanup filter with change
- Bevel the bottom of the bucket can be configured to work in alternate double balloon valve.
- Bevel the bottom of the bucket can be configured to pump fluidized powder + powder pump delivery forms.
- Exhaust pipe at the bottom end face of the circular cover plate can be quickly disassembled for cleaning





## Plastic powder coating booth for fast color changes !



## Comparing with the metal spray booth, the PVC powder coating booth has obvious technical advantages;

- In the high-voltage electrostatic field, inner wall of PVC booth brings the charge with the same polarity as the powder particles, making the inner wall's rebound effect on the powder particles because of homogeneous repulsion, so that more powder can gather to the workpiece, which effectively improves the spraying efficiency.
- Less powder adsorption to the inner wall makes less powder go through the powder coating equipment, achieving high powder utilization to save powder.
- High efficiency of the bottom exhaust, matching with the discharge device of "large-diameter double-whirlwind powder separator + terminal filter", makes the least powder accumulation and the most environmental-friendly emission.
- Air compressed gun can easily blow off the powder that has attached to the booth wall, helpful to rapid cleaning.
- According to the production requirement, you can choose appropriate type of automatic powder coating control center to improve the main task of spraying, to save time and energy.
- Variable frequency stepless speed regulation reciprocator can carry automatic spray gun perfectly, and complete the spraying task successfully.
- Optional powder self-recycling feed center ensures maximum utilization of powder and least waste, so you don't need to worry about the automatic powder recovery, filtering and powder return to the powder hopper.



## OPTIONAL

A variety of bottom recycling methods are available for customers to choose from, suitable for all types of workpieces.



A



B

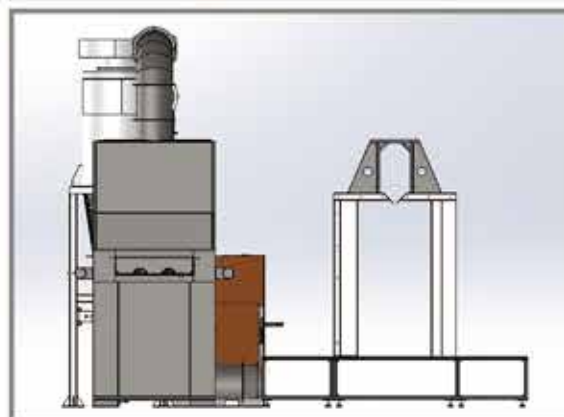
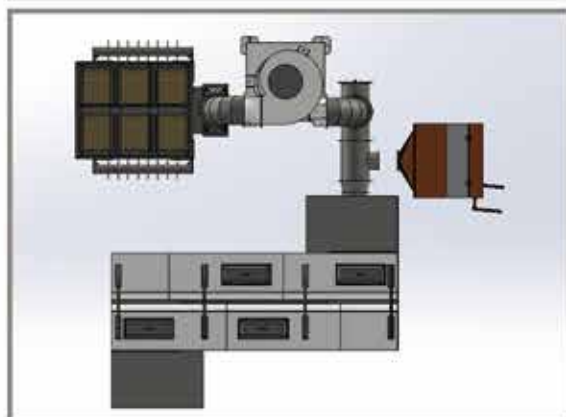
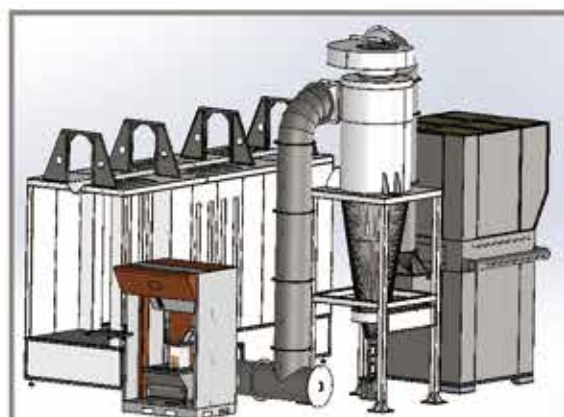
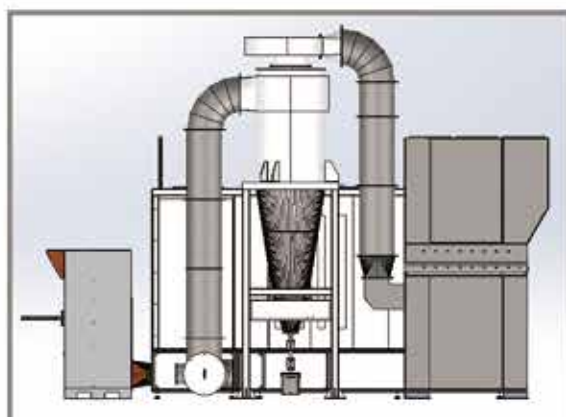
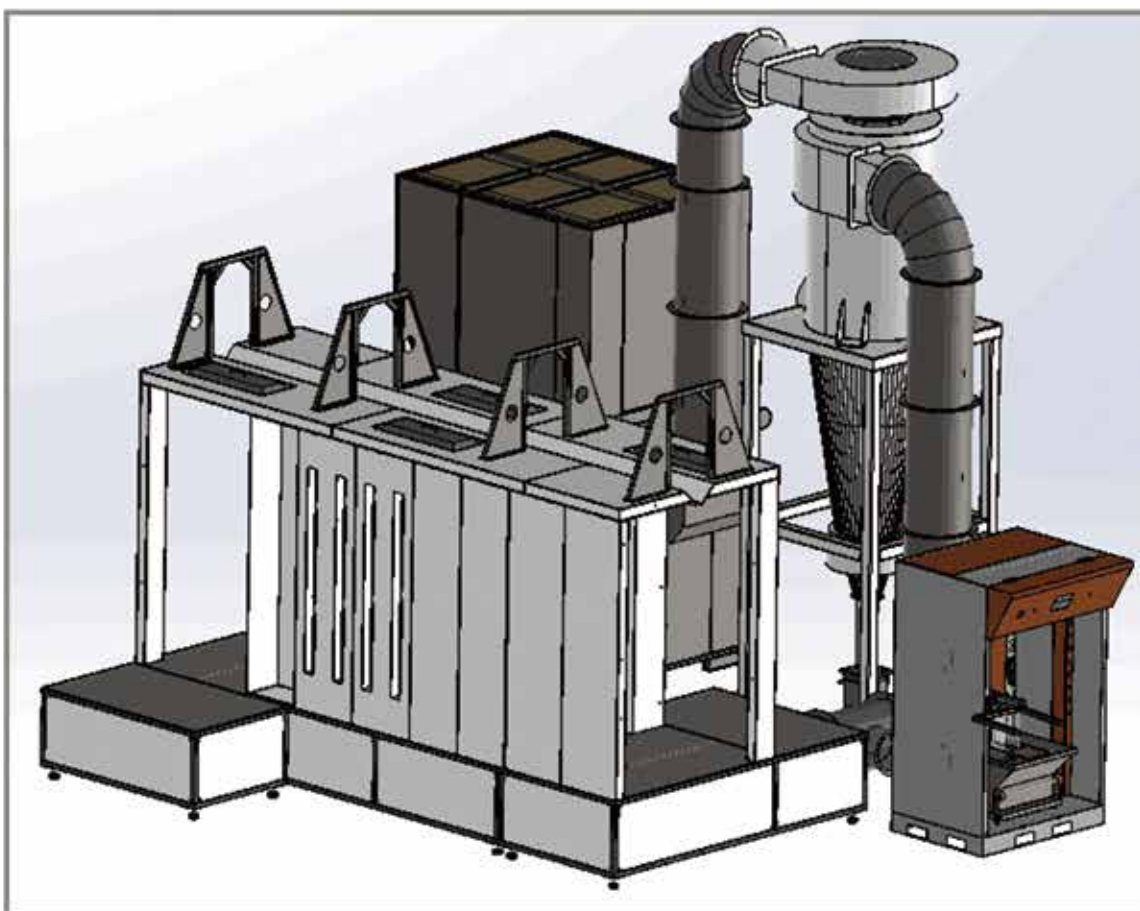


C



D





Multi-cyclone +Post filters recovery system-for easy mobility and faster clean up operation



## Multi Recovery System

- Multi-pipe type small cyclone make the contact area of powder separation more .
- Molding guide vanes make ventilation more stable uniform volume and the bottom of the powder hopper quickly removed and the side access windows make clean up easier.
- Compact structure, small size, not require so many in the space for workshop.
- You can choose to configure multiple small cyclone unit performed easily and quickly change color.

## After filter system

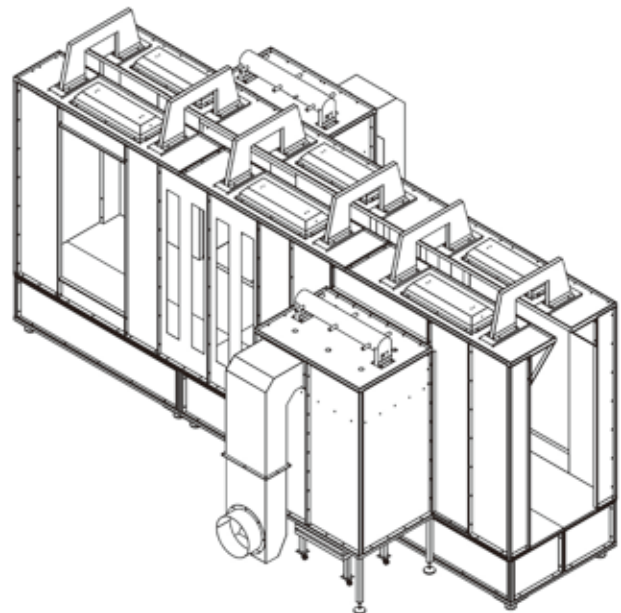
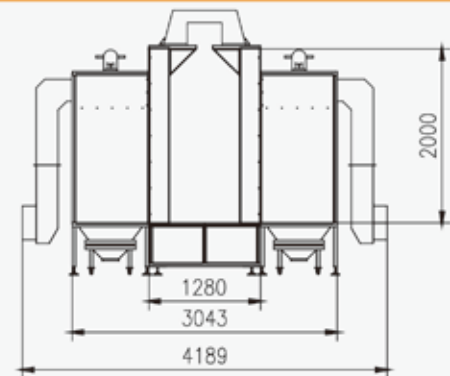
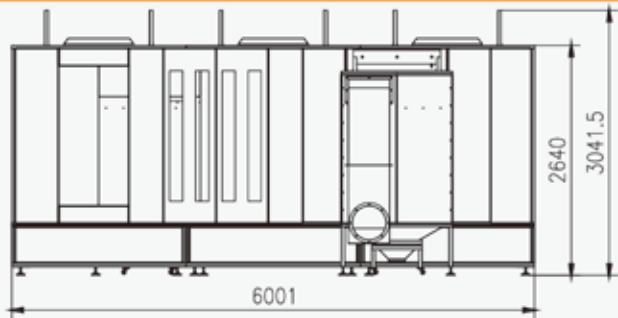
- Multiple filters make filtering area enough.
- The efficiency of filter is up to 99%.
- The precision of filter can reach 2-5 microns.
- Advanced rotary wing filter for cleaning system.
- Automatic pulse-type counter blowing cleaning control models make the operation condition of the filter better and longer life time.
- Air package to ensure that the air flow and air pressure to clean up when you make a more thorough clean-up.
- Several side access window clean-up easier.
- Top-mounted exhaust fan with ventilation so that the form of least resistance.
- Top fan room side panel can be removed to facilitate later maintenance.

Model	COLO-S-Multicyclone
6	5100-8100m3/h
9	7650-12150m3/h
12	10200-16200m3/h
16	13600-21600m3/h



## Single grade filter element powder recycle powder coating booth

- The economic and widely used powder recycle system
- Powder recycle rate it is about 98-99%
- Only suit for simple coating ( 2-5 colors )
- Simple and reasonable structure ,easy to maintenance



<b>Model</b>	COLO-S-Basic Type
<b>Booth Type</b>	filter type
<b>Operator dimensions</b>	L5000xW1280xH1500mm
<b>fan motor</b>	3kw, 2pcs
<b>air flow</b>	3000-5000m³/h
<b>Voltage</b>	As required



## Carriage filter

100% polyester, common or imported materials can be supplied as request



CL-600-1



CL-600-2



CL-600-3



### Common type filter available sizes:

325\*215\*600mm  
320\*220\*600mm  
325\*215\*900mm  
320\*220\*900mm



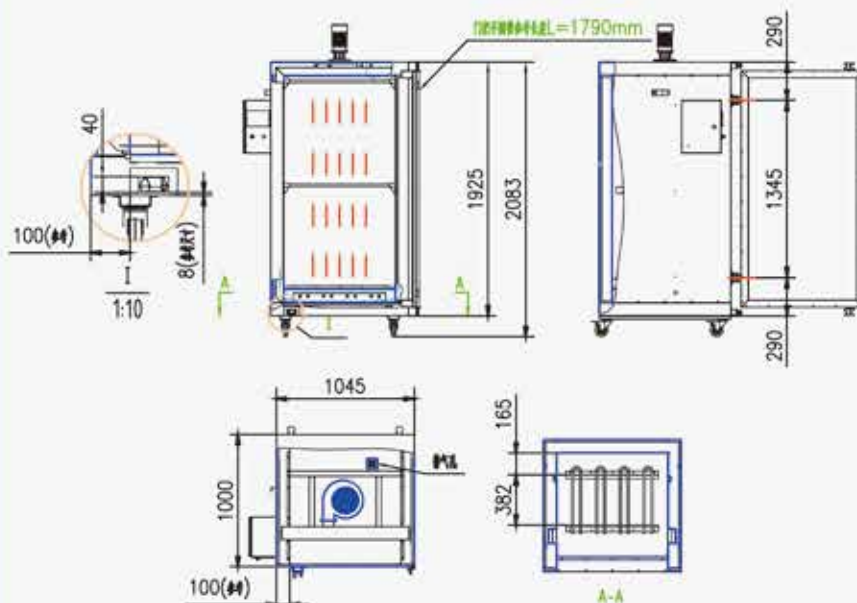
### Powder sieve equipment

### Quick-release type filter available sizes

325\*215\*600mm  
325\*215\*900mm  
325\*215\*1200mm



## Electric Powder Coating Curing / Drying Oven



### Great for wheels, composite parts, metalwork and bike frames

The colo-1688 Powder Coating Curing Oven is used in the product process of powder curing. With 2 shelves and 5 rails per shelf, there's plenty of space for hanging powder coated metal work to dry. This product will need to be hardwired or wired onto a 32AMP plug.

### Product features:

- 2 shelves each with 5 removable rails
- Portable with 4 wheels included
- Voltage: 3 phases 380V (as required)
- Power: 6.5kW
- Insulation Plate: 10cm
- Warm Up Time: 25-30 minutes (180°C)
- Temperature Stability:  $< \pm 1^\circ\text{C}$
- Temperature Range: 0-250°C
- Dimensions: 208.3cm H x 100cm D x 104.5cm W



**COLO-1688**

[www.colourspray.com](http://www.colourspray.com)

## Electric powder coating oven



**COLO-1864**

### Forced Air

Forced air circulation with booth walls and floor, curing a very good temperature uniformity result



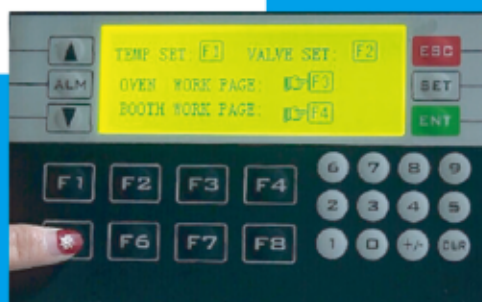
**COLO-1515**

**Thick insulation  
100-150mm**



### Automatic controls-simple PLC system

Control provides high precision heating process, it offers all the features you need. The LED display allows you to set the temperature, as well as the duration of heating process at the desired temperature.

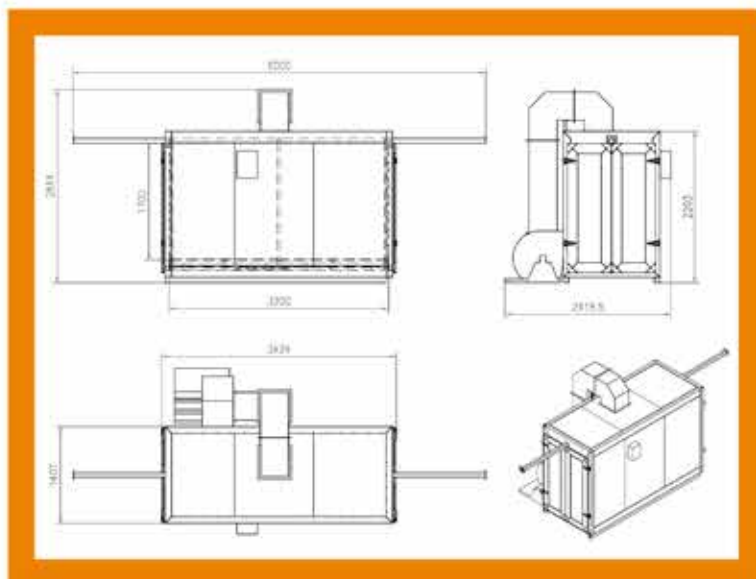


Model	worksize dimensions (mm)	External dimensions (mm)	Fans amount	Heating power	Nominal voltage	Motor power
COLO-1688	W845 H1600 D845	W1045 H2083 D1000	1pc	6kw	As required	0.55kw
COLO-1515	W1500 H1500 D1500	W1800 H1600 D1930	1pc	18kw	As required	0.75kw
COLO-1864	W1600 H1800 D1400	W1900 H2200 D1700	1pc	18kw	As required	0.75kw
COLO-1732	W1650 H1700 D3200	W1950 H2100 D3500	1pc	45kw	As required	1.5kw
COLO-1645	W1500 H1650 D4500	W1800 H2050 D4800	1pc	54kw	As required	3kw



## Powder Coating Oven With Overhead Conveyor

**COLO-2447**



<b>Worksize dimensions</b>	W1200*H1700*D3200(mm)	<b>Temperature max</b>	250 °C
<b>Overall dimensions</b>	W1407*H2203*D3424(mm)	<b>Ventilation performance</b>	805-1677m <sup>3</sup> /h
<b>Power supply</b>	Electric/ 40kw	<b>Fan motor power</b>	2.2kw
<b>Voltage/Frequency</b>	As required	<b>Circulation/ Air flow</b>	Vertical Variable through holes on the walls
<b>Warm-up time</b>	15-30 min(180 °C)	<b>Transportation</b>	Trolley on top
<b>Temperature stability</b>	<±3-5 °C	<b>Warranty</b>	12 months



## Gas / LPG / diesel fired powder coating oven



Industrial curing batch oven.  
front and back door, heat Source: LPG

## Gas or Diesel as requested Colo-0813

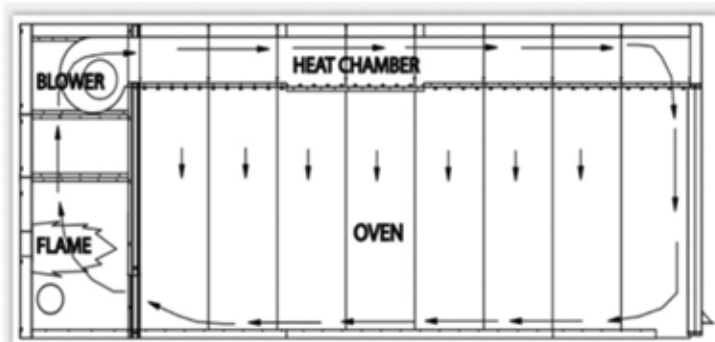
(W800mm x H1500mm x D3000mm)



- Precise temperature control, furnace tolerance of  $\pm 5$  degrees Celsius. Indirect heating system with a heat exchanger.
- Hot air is transferred from the bottom up.
- Heat exchangers used in seamless steel tubes 8x8 array, use the combustion liner 310S stainless steel seamless pipe thickness of 3-4mm.
- Closed-round clean efficient heat circulation system.

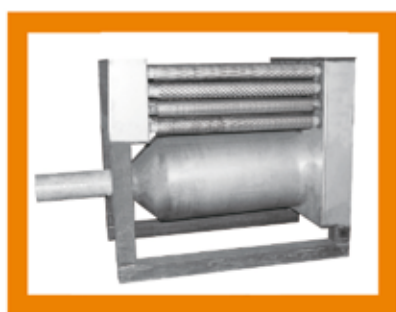


## Gas / diesel / LPG fired powder coating oven



**COLO-3210**

Burner can be put in the side or top place  
trolley designed as request  
Exported into worldwide  
Italy imported burner



exchange heater



burner



motor

Model	Worksize dimensions W • H • D mm	Fans amount	Burner power	Heating power	Nominal voltage	motor power
Colo-0813	W800 H1500 D3000	1 pcs.	100,000cal	380V/220	380V/220	3kW
Colo-1732	W1650 H1700 D3200	1 pcs.	10,000cal	380V/220	380V/220	4kW
Colo-3210	W2000 H1900 D3100	1 pcs.	10,000cal	380V/220	380V/220	4KW
Colo-4772	W1606 H2060 D4797	1 pcs	20,0000 cal	380V/220	380V/220	5.5KW

## Infrared Catalytic Gas Burner



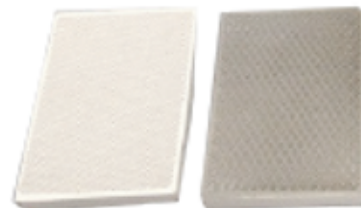
Electric pulse igniter



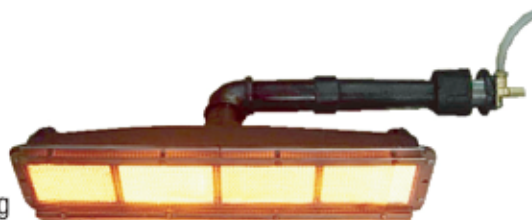
Solenoid Valve



Ignition pin



Infrared Catalytic Ceramic Plate



Working

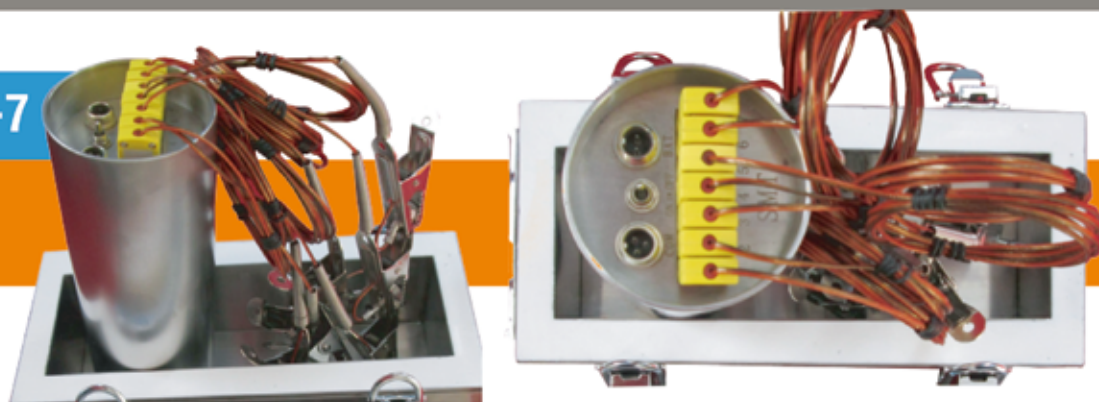
## Specification

Model	Dimension mm	N.W. kg	Gas Type	Heat Output		Consumption	
				KW/h	Kcal/hr	NG(m3/h)	LPG(kg/h)
HD162	570*130*175	8	NG/LPG	6.3	5400	0.49	0.45
HD242	840*130*175	11.7	NG/LPG	9.4	8120	0.75	0.68
HD262	930*130*175	13	NG/LPG	10.9	9360	0.8	0.74

Note :When you order please advise the source type and working voltage details



## COLO-SMT-7



Channel Number	7 Channel				
Temperature	0~500C	Thermocouple	K	Memory	128 K
Resolution	0.5c				
Use Time	600min under 100C ,or 120min under 200C or 60min under 300C				
Recorder Time	4h under sample rate 1s				
Sample Rate	1s, 2s, 3s, 5s, 8s, 10s, 12s, 20s,40s, 60s				
Thermal Barrier	280(length) x 120(width) x 100(height)				
Setting Software (TrendReader V1.22 )	1) To select or unselect each channel with Yes or NO 2) To verify the accuracy separately for each channel 3) Easy to choose sample rate 4) Switch ON/OFF				
Analysis Software (TrendReporter V1.0)	1) To display temperature data 2) To calculate heating rate between two temperature level 3) To calculate total time above two different temperature 4) To Calculate Peak Temperature 5) To Compare different temperature profile 6) To Print Report				



## COLO-SMT-4

Channel Number	4 Channel
thermocouple	K
Use time	60min under 300C .
Thermal Barrier	325(length) x 125(width) x 125(height)
Memory	per channel can record and store 16 000 data
Sample Rate	1s, 2s, 3s, 4s, 5s, 6s, 10s, 20s, 30s, 1min, etc., can be selected by the user
Computer request	windows 98, 2000, XP ect ,through the computer to print out temperature curve
Setting Software	a) sampling period Optional b) start / stop recording easy
Analysis Software	a) The curve optional display or not display b) can be calculated at any temperature between the two heating rate; c) be able to calculate the temperature higher than a four time; d) can be calculated peak temperature; e) be able to compare test data 2-5 times
Standard configuration	* Four-channel Temperature Tracker * 4pcs of 1.75 meters temperature probe * Computer connection cable * Data processing software, data analysis software * Stainless steel incubator, including suspension handle * Operating Manual



## Lab spray booth



**COLO-S-04548-T**

(W400mm\*H500mm\*D480mm)

## Lab curing oven



**COLO-4355-T**

(W300mm\*H450mm\*D300mm)



**COLO-E02-01**

cross cut tester



**COLO-E05-03**

Paint film impact tester



**COLO-QL-1076**

Laser Particle Size Analyzer



**COLO-191S-T-C**



**Colo-V-T2**

Portable Voltage tester



**Colo-8856N**

microprocessor thickness meter



**Colo-0686**

Gloss Meter





**Spraying tunnel**



**dip tank with Hoist**



We also produce the different types of sandblasting machines that suitable for surface treatment of all products of metal.

**For more details please visit our sandblasting equipment catalogue**

## Layout Of Powder Coating Line For Your Special Request

**Before design a powder coating line for you please supply below information:**

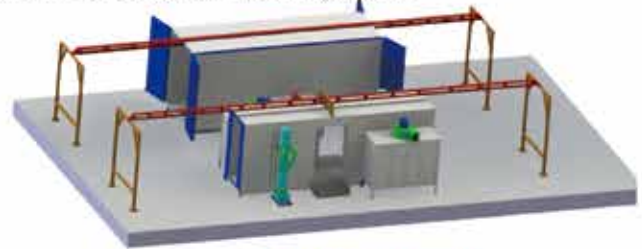
- Product name ,material , If possible sent photos
- The workpiece Max size(LxWxH), max weight, and output per 8hours. Or advise the line speed you need
- What kind of heating energy for oven, such as electricity, diesel, or gas energy
- How many kinds of powder colors
- What's the size (Length x Width x Height)of your workshop?Supply workshop drawing
- Advise industrial and living electricity voltage in your factory, single-phase220 v or three-phase 380/ 415 v

## Manual coating plant process

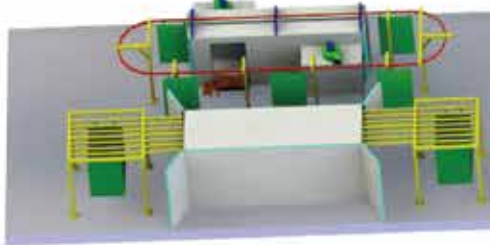
Manual powder coating plant, with overhead track or ground moveable trolley in powder coating booth and oven. Powder coating booth could be manual or automatic, oven is box type. Could choose different type according to different coating requirements. It is designed to handle special parts, such as complex and small quantity parts. the manual powder coating line also suitable for some first time use powder coating plant.



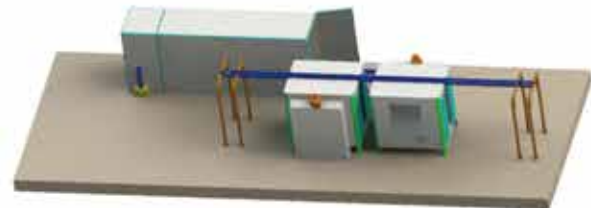
COLO-L-M01



COLO-L-M02



COLO-L-M03



COLO-L-M04



COLO-L-M05



COLO-L-M06

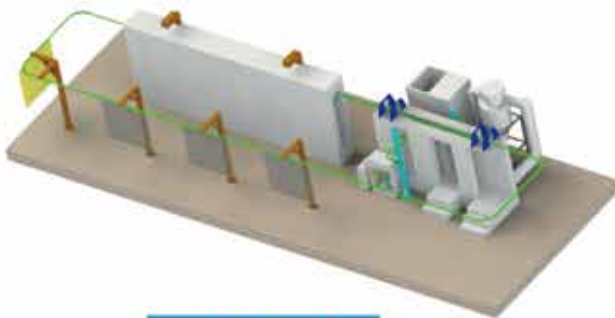
COLO design, manufacture and install this manual powder coating plant in Malaysia for the 6m aluminum profile.





## Traditional tunnel type

Normal single conveyor, tunnel oven. The part turn moves along with conveyor always, even turn the corner. The output capacity is bigger if the conveyor speed is faster, but the oven length will be longer accordingly.



COLO-L-01



COLO-L-02



COLO-L-03



COLO-L-04

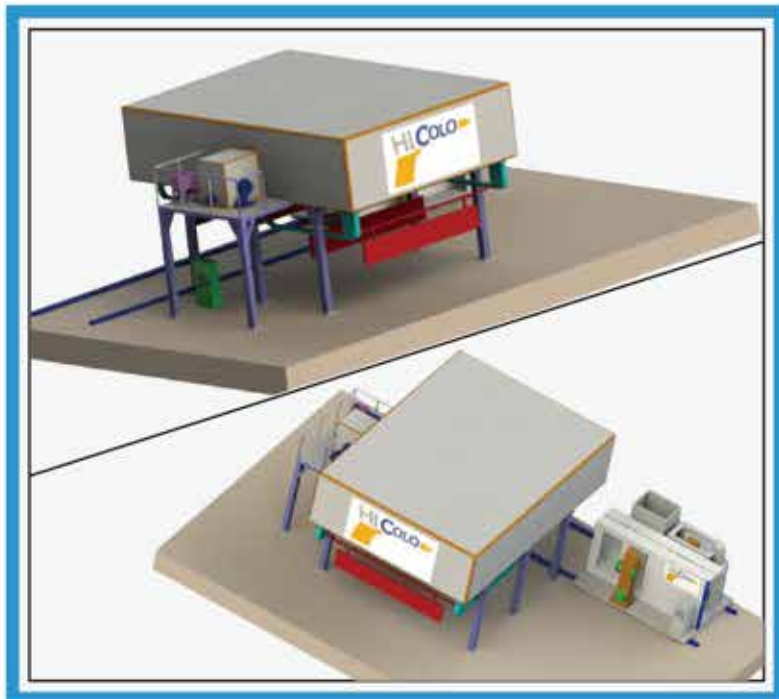
**COLO design, manufacture and install this manual powder coating plant in Europe for the 3m\*2m highway guardrail.**





## Compact Powder Coating Plant for Aluminum Profile

The conventional type Horizontal Powder Coating Plant it uses very long and big space and hence it is difficult for existing factories to consider production expansion. However, with Compact System, it only needs about 300 m<sup>2</sup> of land (15 x 20 meters) therefore it is ideal for factories having limiting space. (Space high at least 6m) The capacity of this design is limited about 3 -4 tons of profile in 8 hours.



**We designed, manufactured and installed this compact powder coating plant in Indonesia for the 6m aluminum profile.**

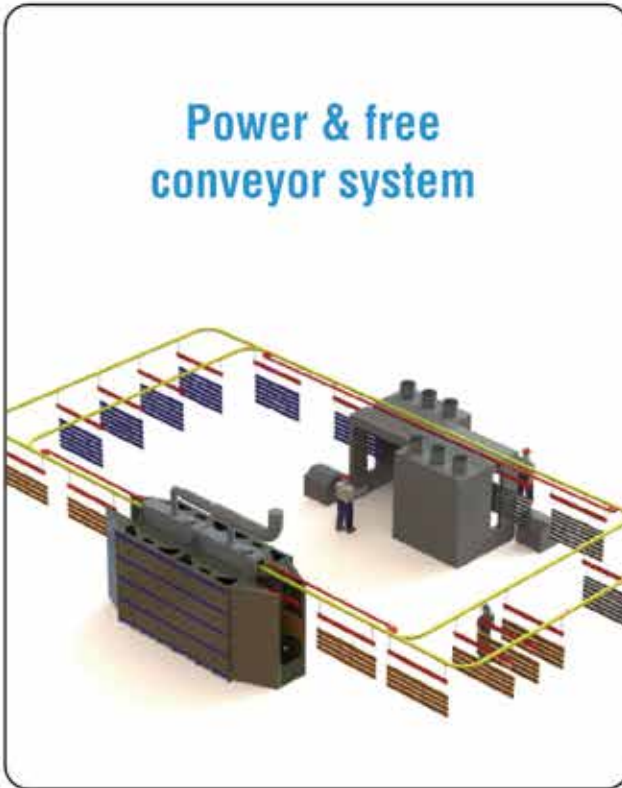




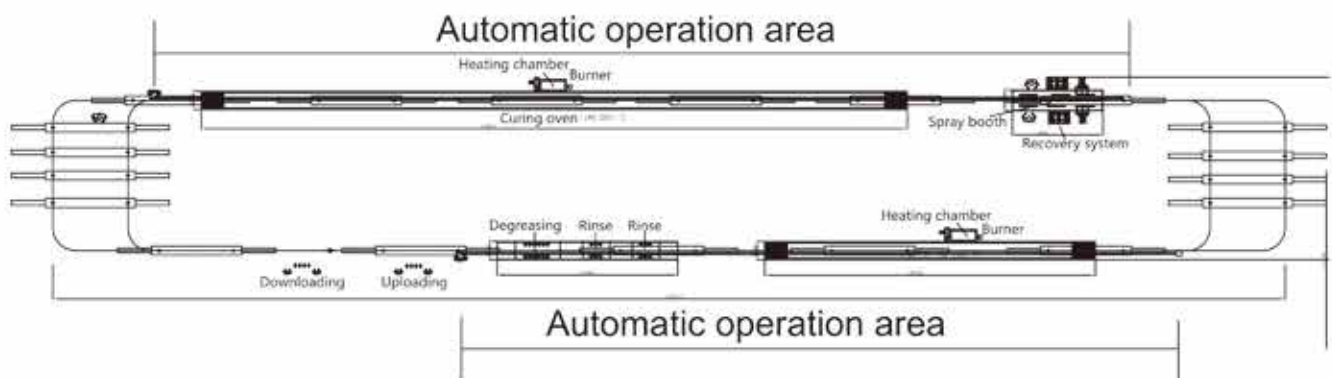
## Conveyor system

[www.colourspray.com](http://www.colourspray.com)

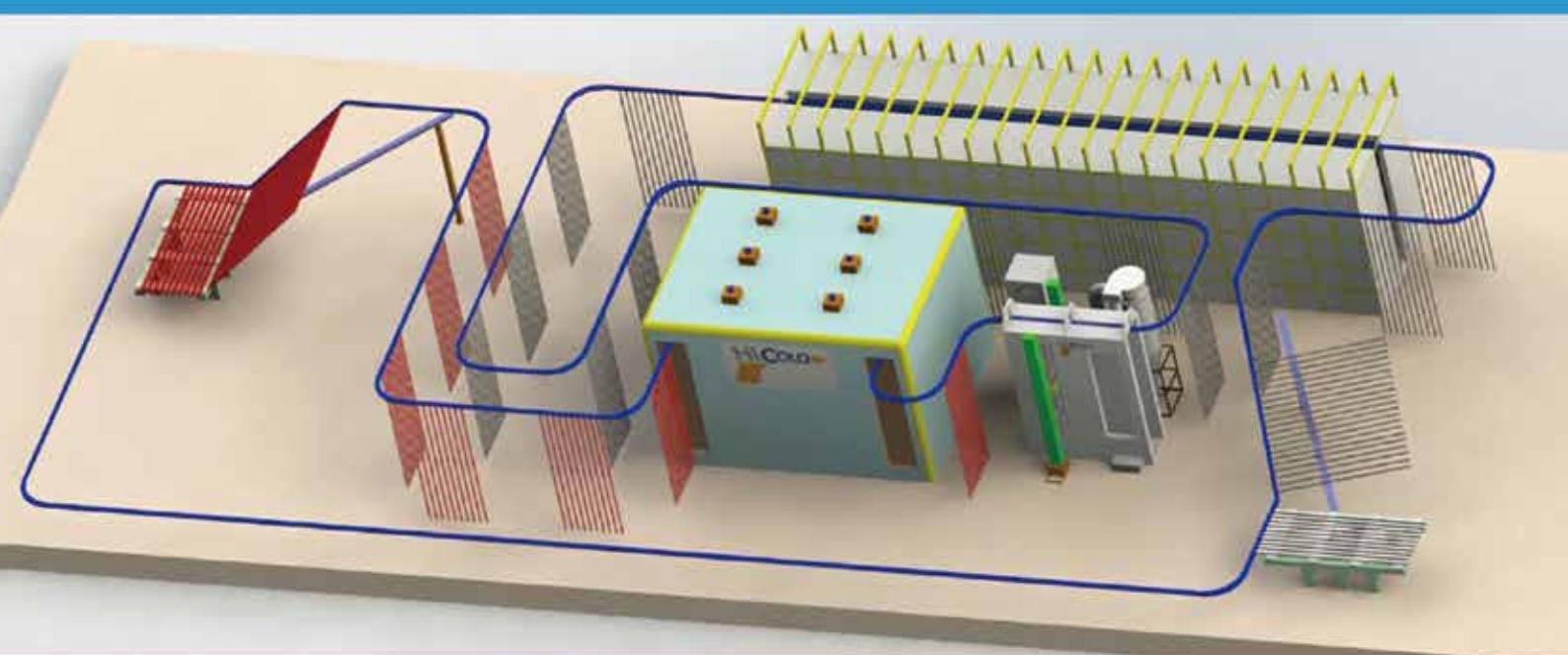
Power & free conveyor system



Power & free conveyor is highly automatic and integrative ,which can stop individual loads without stopping the entire production line.The main conveyor is moving continuously ,but another loading conveyor just move step by step,the output capacity can be very big if the main conveyor speed is fast ,no need to enlarge the oven size. So it takes smaller space then the common tunnel oven design.



Vertical powder coating system provides high production capacity with the ability to economically powder coat aluminum profile in small runs with multiple powder color changes each shift. The system is designed to automatically powder coating aluminum profile in lengths up to 6m, could reach production 40-60 tons one day (8 hours).



**Our engineer guided installation this powder coating plant in Saudi Arabia.**







Chain(loading up to 12kgs/30kgs/50kgs/100kgs/250kgs or special weight)



150 type UH-50750HA



150 type UH-5075-S



200 Type



7075 standard chain



250 single hanger chain



X348 chain track combination



458 type with trolley



X458 chain hanging arm combination



Drive Unit



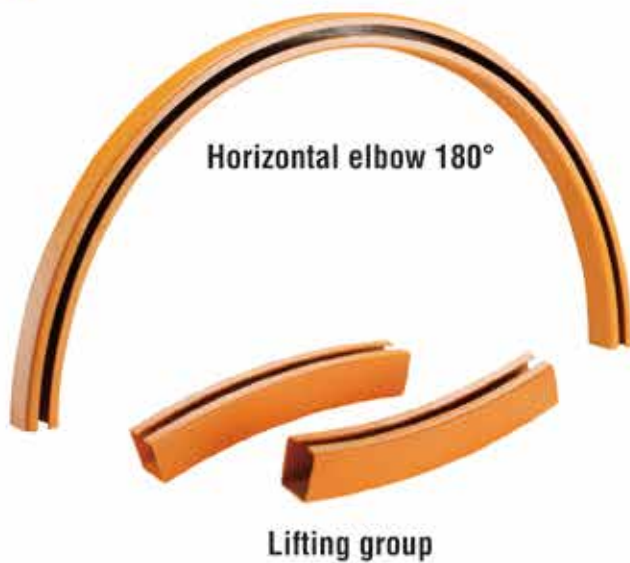
Tension Unit



Track



Control Unit



## Spreader (custom design available)



Auto Lubricator for conveyor chain system



Manual oil cup



Our product range includes a wide range of dry type liquid painting booth, liquid spray paint booth, electrostatic liquid spray paint booth and water washed type liquid painting booth.



## CL-W-1821

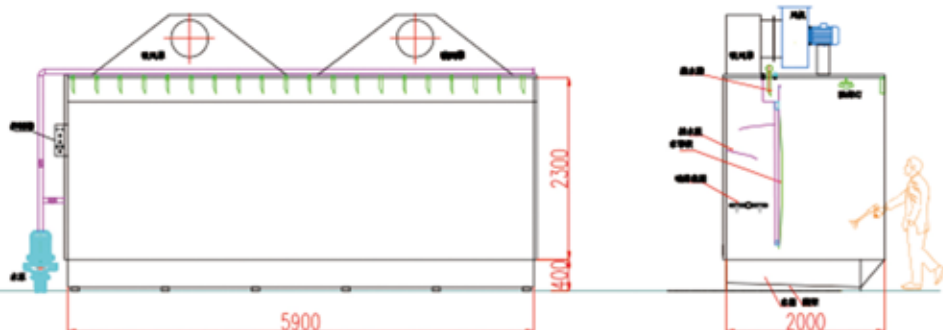
Size :800 x1000 x2100mm

- water curtain plate :1.0mm stainless steel 304.The cabinet is made of 1.8mm stainless steel plate 304.With paint spray secondary treatment nozzle shower 3pcs,
- with axial flow fan 0.75kw,
- with self-priming pump 0.55kw,
- with electronic control system,
- explosion-proof lighting 1pcs , voltage can be 3 phase 380V or as request Stainless steel simple paint turntable

## CL-W-1578

Size: 1500 X1700 X1800

- water curtain plate is made of 1.0mm stainless steel 304.The cabinet is made of 2.0mm galvanized steel.  
The side panels are made of 1.5mm galvanized steel.With paint spray secondary treatment nozzle shower 8
- with axial flow fan 1.5kw\*1 set,
- with pipeline pump 0.75kw\*1 set,
- electronic control system 1 set, explosion-proof lighting 1pcsVoltage 380V, 50HZ, or as request
- with a beam to the top of the cabinet and make a hook.Custom carbon steel painting turntable



## CL-W-5923

Size : 5900\*2000\*2300mm

- The sink is bent and welded with 2.0mm stainless steel, and the shed body is bent and welded with 1.2mm stainless steel.
- The pump uses 2.2KW vertical pipeline pump 2pcs
- Exhaust fan adopts 2pcs for 5HP washing machine
- Explosion-proof light 2set



CL-3009  
(For Solvent Paint)

CL-3009A  
(For Solvent and Waterborne Paint)

VO lume : 20-500cc/min

Spraying distance : 200-350mm

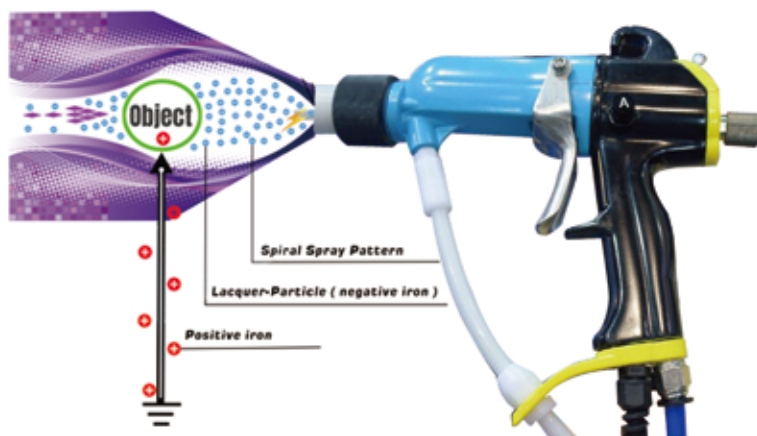
Air input : 0.6-0.8MPa

Output voltage : 0-80KV

Max current : 60uA

Weight : 22Kg

## BRIEF INTRODUCTION OF THE FUNCTION



The integration of electrostatic system and pneumatic paint supply system has the characteristics of saving space, easy to move, clean and beautiful. The high end electrostatic spraying technology not only can make high-quality coating, but also can greatly save up to 35% the application amount of paint.





## Controller

all electrostatic parameters to provide the best gun performances in any conditions



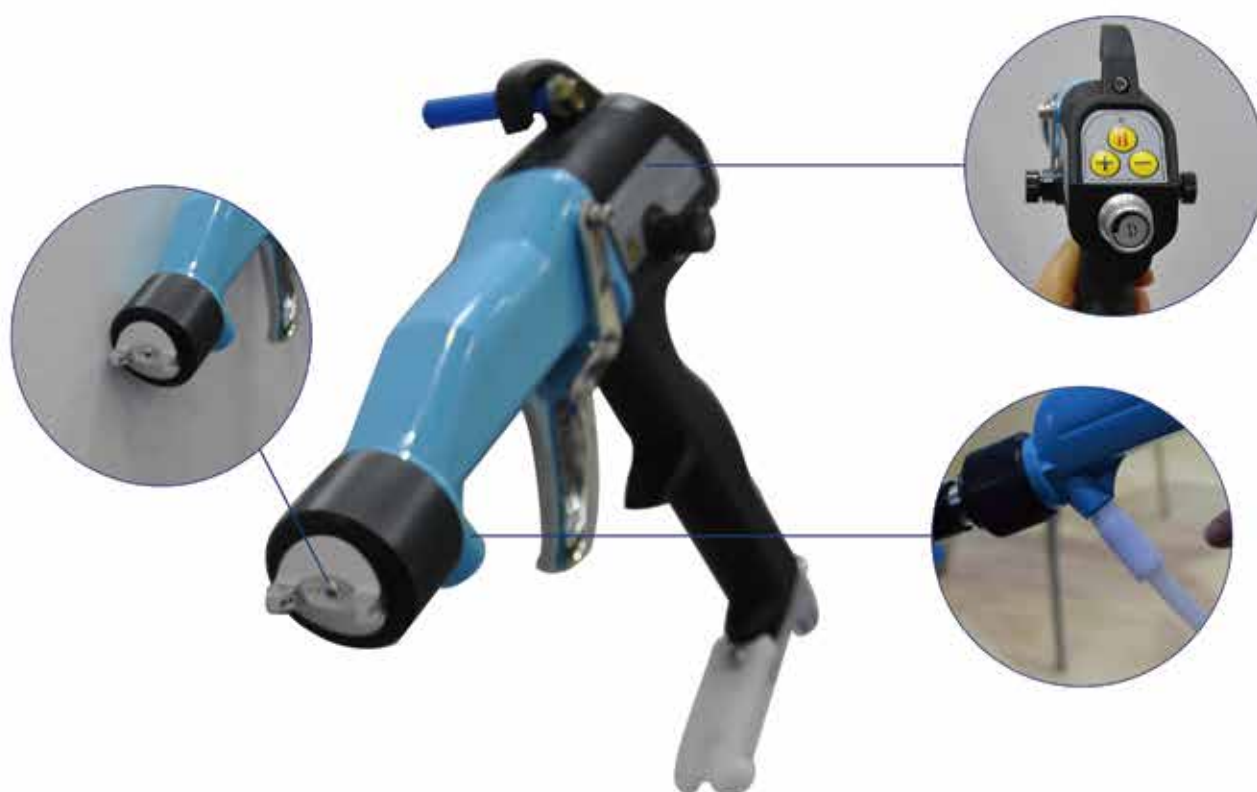
CL-3009 ideal for spraying solvent-based paints



## Diaphragm pump

## Application-Industry





## Different nozzles (Option)



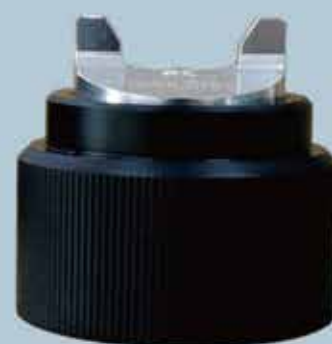
**CL-3311**

Material: Stainless Steel ;  
spray width (7mm to 25mm);  
Feature: paint output softer



**CL-3312**

Material: High-density plastic  
steel,brass ;  
spray width (4mm to 15mm)  
Feature: paint output faster



**CL-3313**

Material: High-density  
aluminum alloy ;  
pray width (4mm to 15mm)  
Feature: paint output faster





To find your products by flashcode



## CONTACT US

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**zip code:** 311106

**Email:** [sales@colourspray.com](mailto:sales@colourspray.com)

**Website:** [www.colourspray.com](http://www.colourspray.com)