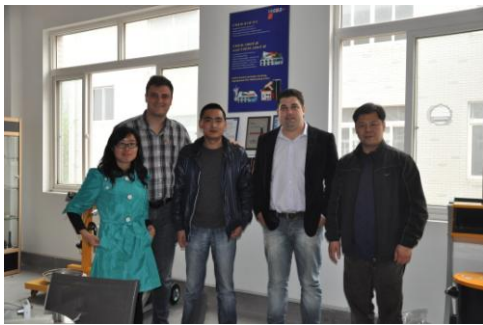


# POWDER COATING



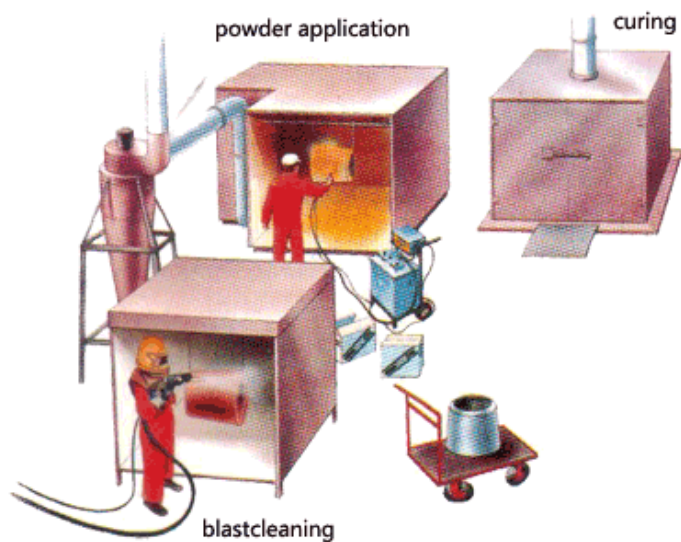
**COLO-- Worldwide Partner in Powder Coating**

**Hangzhou Color Powder coating Equipment co.,ltd**

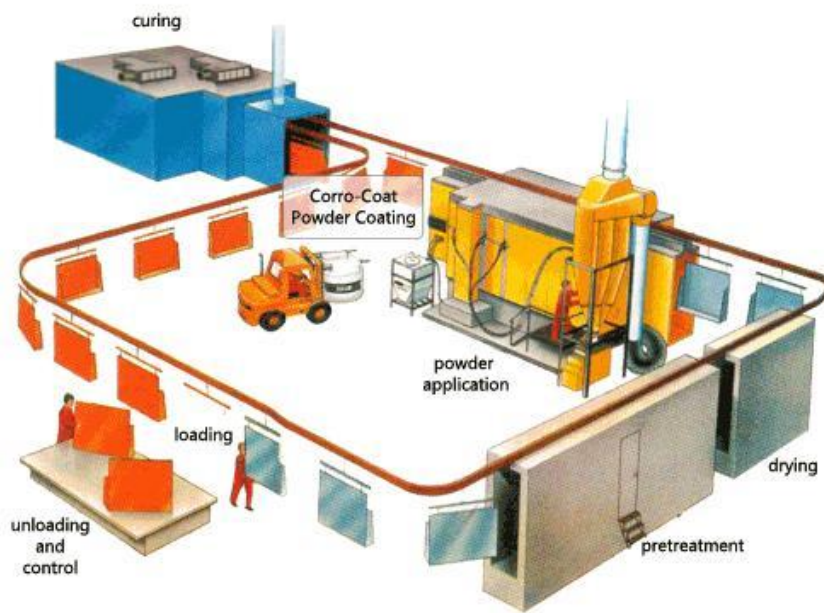
## Components of powder coating line

- >Pretreatment system
- >Pretreatment chemical
- >Dry off oven & curing oven
- >Powder booth
- >Powder spray gun
- >Overspray powder recycling unit
- >Overhead conveyor
- >Conveying hanger
- >Spare parts

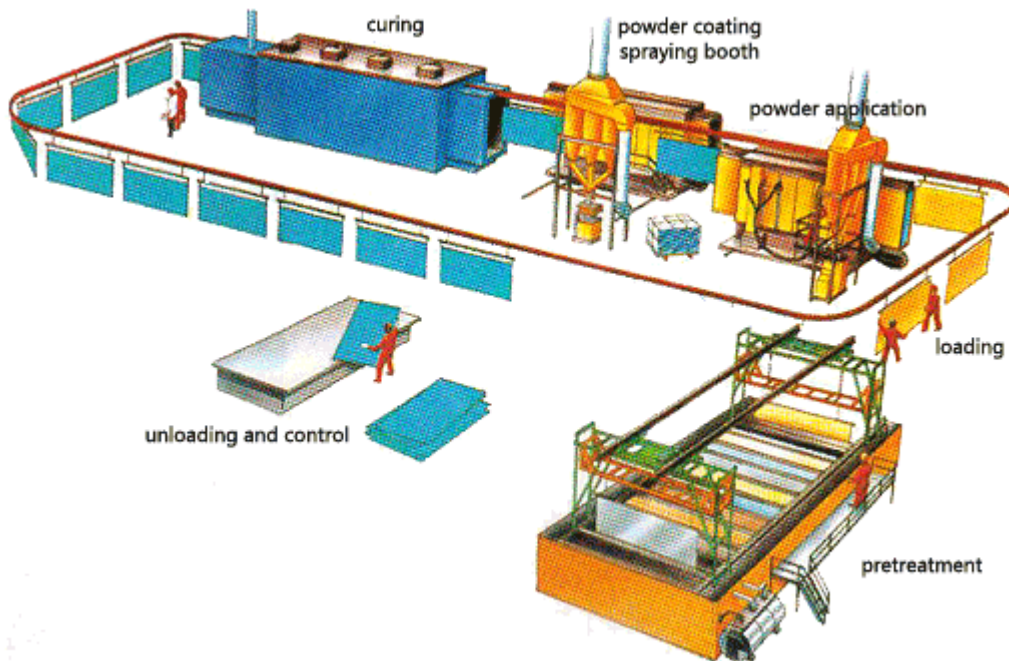
### sketch map



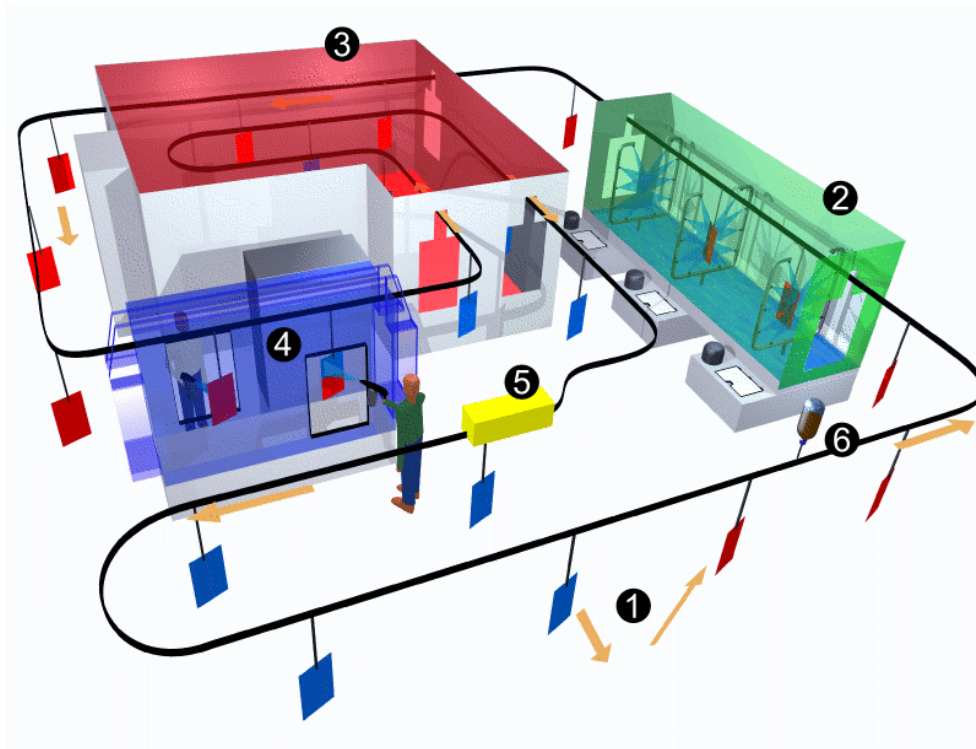
### Maual application



**Automatic line**

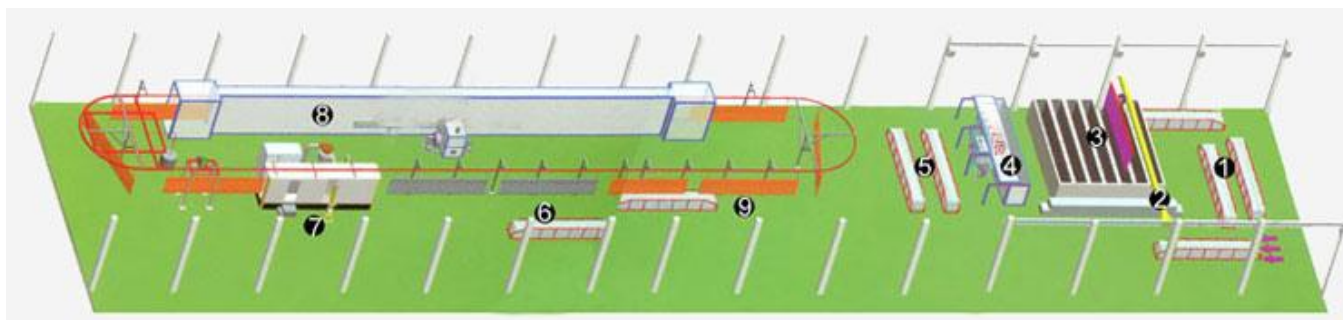


**Dip treatment**



**Typical Layout Plan for Vertical Powder coating line**

1. Loading area for the workpiece need to be coated
2. Vertical spray shower type pretreatment system
3. Drying off oven
4. Powder spray booth
5. Curing oven
6. Unloading area for finished workpiece



**Typical Layout Plan for Horizontal Powder Coating Line**

1. Preparation area to load the workpiece on lifting crane
2. Lifting crane for easy access of workpiece to each dipping tank
3. Horizontal immersion tank pretreatment system
4. Drying off oven
5. Unloading area for pretreated workpiece
6. Loading area to overhead conveyor for powder coating line
7. Powder spray booth
8. Curing oven
9. Unloading area for finished workpiece

→ 售后服务



# Service

## 1. Before-Sale Service

Before your purchase, our engineers, who has more than 10 years in the field of powder coating, will have a complete communication with you, to get a full understanding of your coating requirements. We'll make a detailed quotation and layout plan based on your actual production conditions. We not sell powder coating line, we are doing Your surface treatment equipments.

## 2. After-Sale Service

Our after-sales service team provides comprehensive support and assistance for colo's customers worldwide, not only during the installation and test tuning period of our powder coating line, but also during its entire service life. Highly qualified technicians are available to make service visits to customers and to carry out maintenance

## 3. Spare Parts

Spare parts are available, and can be purchased, for all equipment supplied by COLO. A team of experienced engineers will give advice and provide assistance in handling spare parts requirements. Please always state the reference number of the relevant equipment when making an inquiry

## 4. Training Of Customers

Colo offers comprehensive training to ensure optimum operation and maintenance of our powder

→ 安装



coating line.

## Powder spray booth

1. Control cabinet
2. Powder feed center
3. Automatic application zone (1 slot on right-hand side and 2 on left-hand side)
4. Manual stations for pre-powdering and repowdering
5. Extraction cyclone (overspray powder recycling)

### ► Recovery and conveyorized system for powder booth

A powder booth is an enclosure that is designed to contain the powder application process.

A recovery system is attached to the powder booth shell. The recovery system uses a fan to pull air into the booth and prevent the oversprayed powder from migrating out of the enclosure. The simplest powder booths are designed for a single operator to manually apply powder to a stationary product. Other booths are designed so that parts can be conveyed through the enclosure.

Conveyorized systems may be designed for manual application from two sides, automatic application, or a combination of both, depending on the system requirements. The particular style, size and number of powder booths needed is related to the product size, the available space, the amount of capital and the volume of product to be coated.

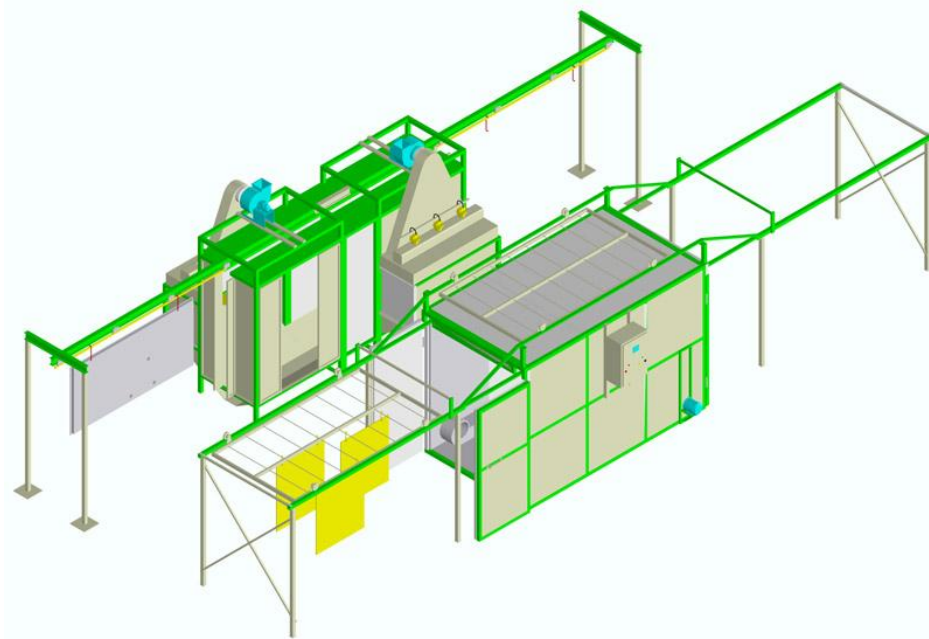
### ► Material of booth wall

Powder booth shells are occasionally made of painted steel but more often they are made of stainless steel, polypropylene, polycarbonate or other clear plastic, and a few are made of glass or polyethylene sheet.

Painted steel is adequate but there is some risk that the paint will chip off and contaminate the oversprayed powder in the reclaim system.

Stainless steel makes a very durable booth shell with a smooth surface for ease of cleaning.

Plastic walled booths offer an easy to clean surface and the walls can allow some light to penetrate into the spray area and help illuminate the process. A nonconductive plastic walled booth will collect less charged powder on the walls. This means that they can be easier to clean. It also means that they do not attract as much powder that might otherwise be attracted to the part, so they provide a modest improvement in transfer efficiency.

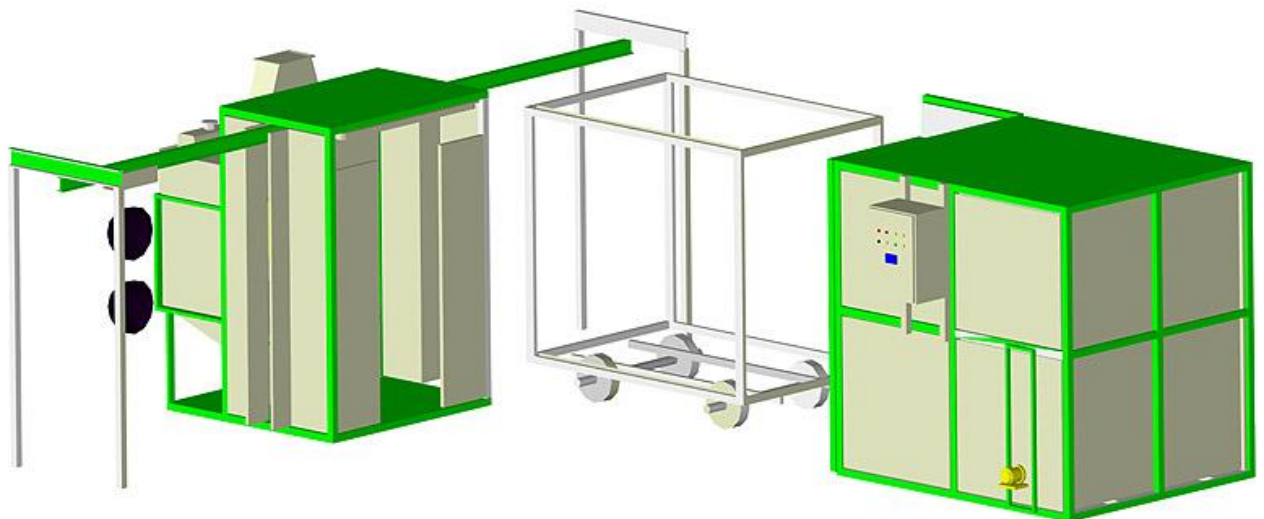


## Dry off oven & curing oven

**Dry off Oven** - After passing all pretreatment zones by means of the conveyor system, residual humidity is eliminated in the dry off oven to make sure the adhesion of coming powder application.

**Curing Oven** - Subsequent to the powder application, the workpieces must be transferred directly into the curing oven to polymerise the powder into smooth protection layer.

Both the dry off and curing oven is an enclosure with an entrance and exit that has heated air circulating through a supply duct and returning to the fan to be recirculated. The basic components are the insulated walls, supply duct, and burner box (fan and heat source). The heat energy produced by natural gas (or fuel, electricity, coal, etc.) in combustion chamber is directly conveyed to oven. Then with the help of circulating blower, the inside temperature can easily reach an uniformity. The burner is imported from Italy for longer service life.



Our case-----spray booth







*COLO-S-1401*



*COLO-S-1001*



*colo-s-1001*

# Curing oven





*colo-o-1004*



*colo-o-1005*

## Drying tunnel



Bridge drying tunnel



track



Drive unit



Hanger and chain



Automatic reciprocator-colo-2000D

## Powder coating line designed by COLO

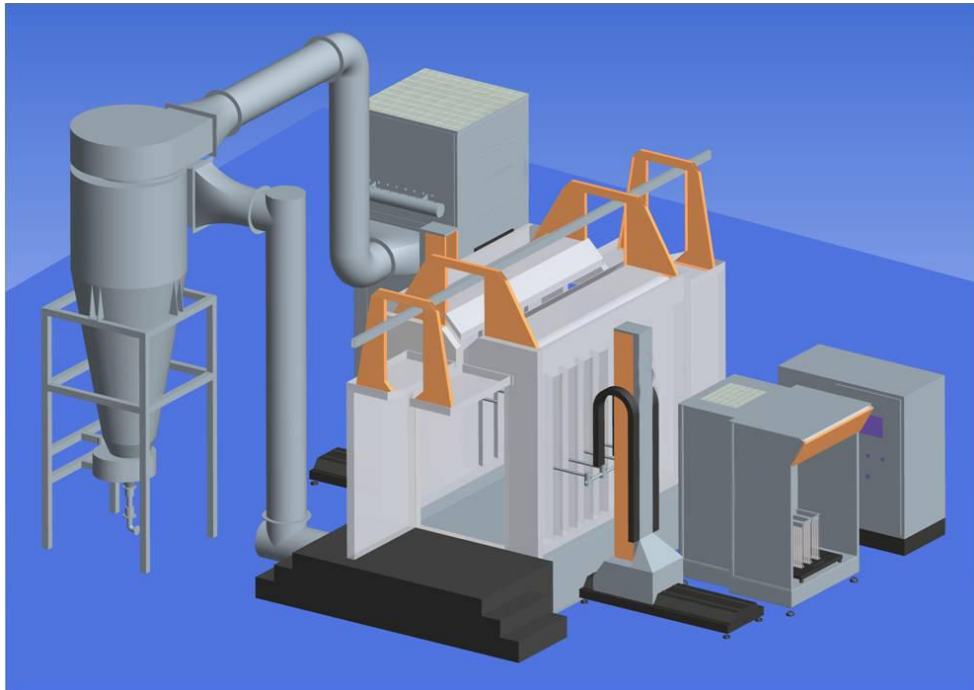








# Auto powder spray chamber









car rim



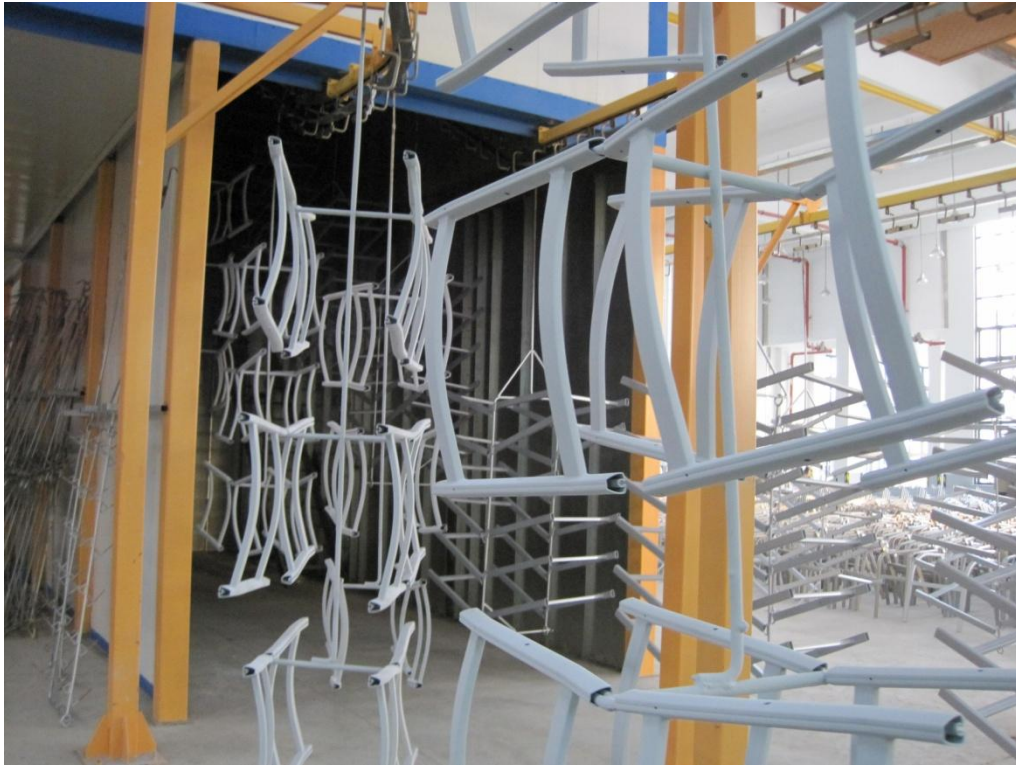
Forklift



Door



Fire extinguisher



Chair

Thanks for your choosing COLO!

**Hangzhou Color Powder coating Equipment co.,ltd**

Factory address:

No.57 Xiangcang RD,Xihu District, Hangzhou city, China

Exporting office address:

No.51 Fuqiang RD, Gongshu District, Hangzhou city, china

Tel : 0086-571-88194898-

Fax : 0086-571-85335616

<http://www.colourspray.com>