



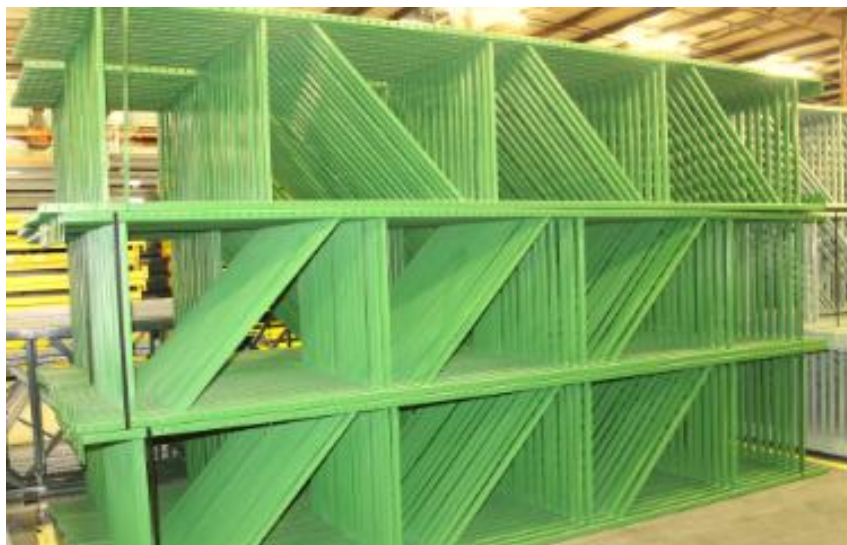
Hangzhou Color Powder Coating Equipment Co., LTD

Email: export@colourspray.com Phone: 0086 13967171593 Website: www.colo-group.com

Application Success Story of Supermarket Shelves - US

Power and Free Conveyor Powder Coating System

This customer from USA, a manufacturer of supermarket shelves that sold in USA local. They learned us from an old customer who bought COLO powder coating equipment before. To start a new powder coating plant their Boss Peter visited our factory for details



Their Requests

- 1) Save space, the factory is very expensive in USA
- 2) Automatic powder coating, less labor use
- 3) High production, the conveyor of powder coating line should be fast moving
- 4) Fast color change for the powder spray booth
- 5) Less maintenance



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Production & Factory Details

Items: L408" x W5" x H60", 35000pcs/year

Items: L 288" x W8" x H12", 3000pcs/year

Powder Coating Method: Automatic Powder Coating + Manual;

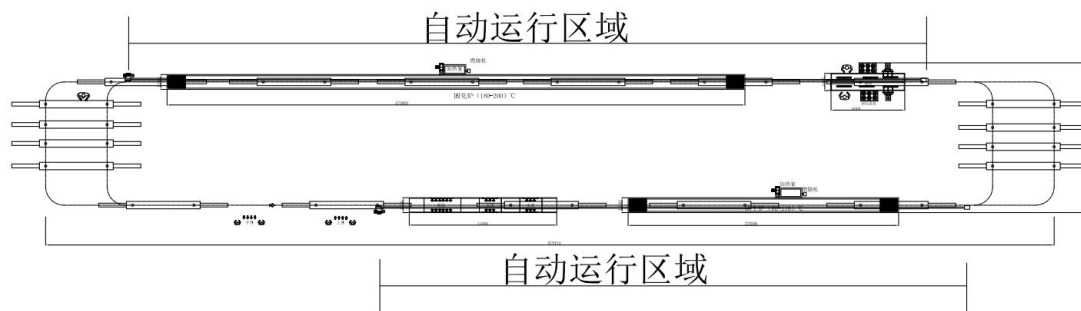
Curing Oven: Nature Gas Type Heating,

Workshop Area: 85000×36000×5400mm (L×W×H)

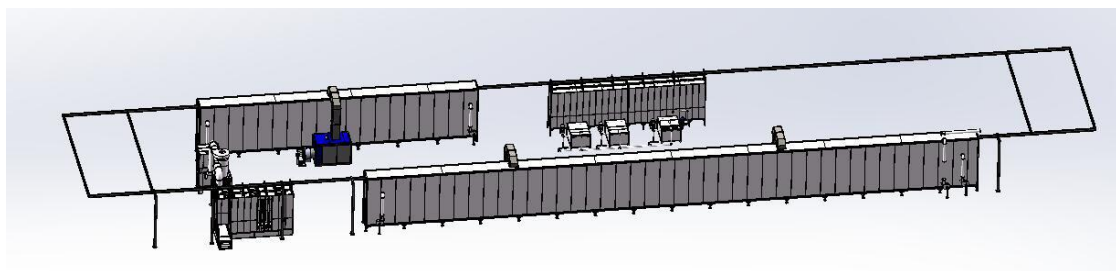
Work Programme: 12 hour/shift, 270 working day/year

Design Keypoints

Due to the long workpiece, using traditional conveyor in this plant will occupy large factory area. So we suggest to use power and free conveyor, but its speed is too slow. Finally, our engineer combined the traditional conveyor together with power and free conveyor, which is space saving and increase working speed.



After confirming the design, we offered the 3D drawings



Complete System Includes: **Spraying Treatment, Drying Oven, Automatic Powder Spraying Equipment, Powder Coating Booth, Curing Oven, power and free conveyor**

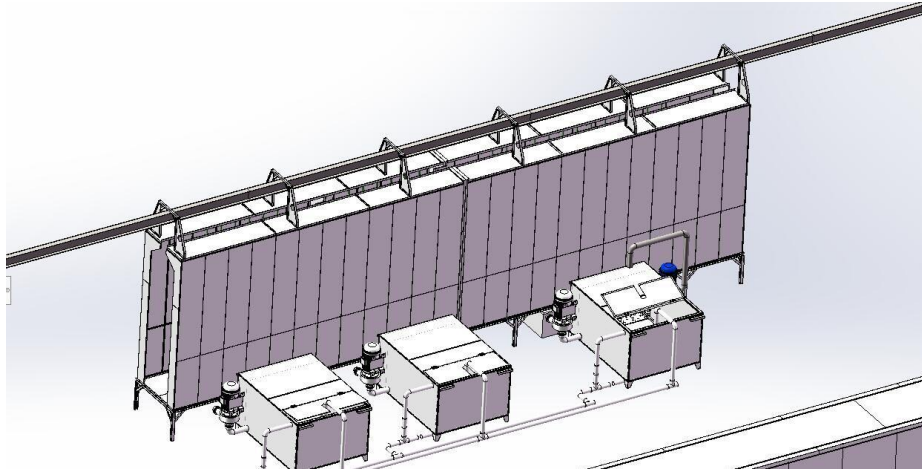


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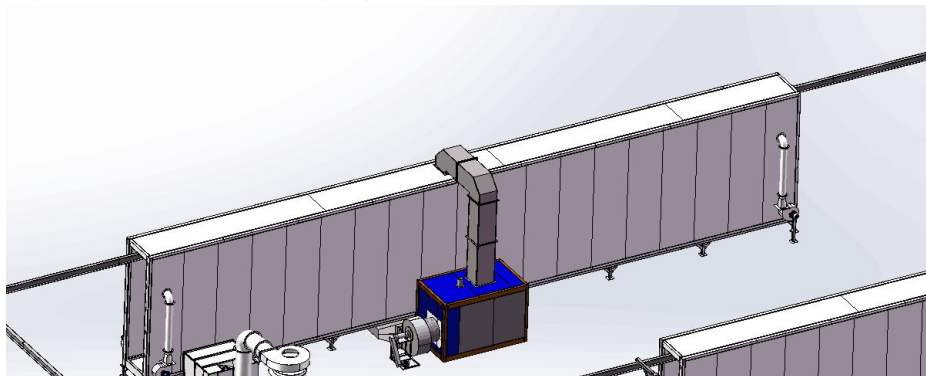
Pretreatment

Automatic washing and cleaning the workpiece before powder coating, no labor required.



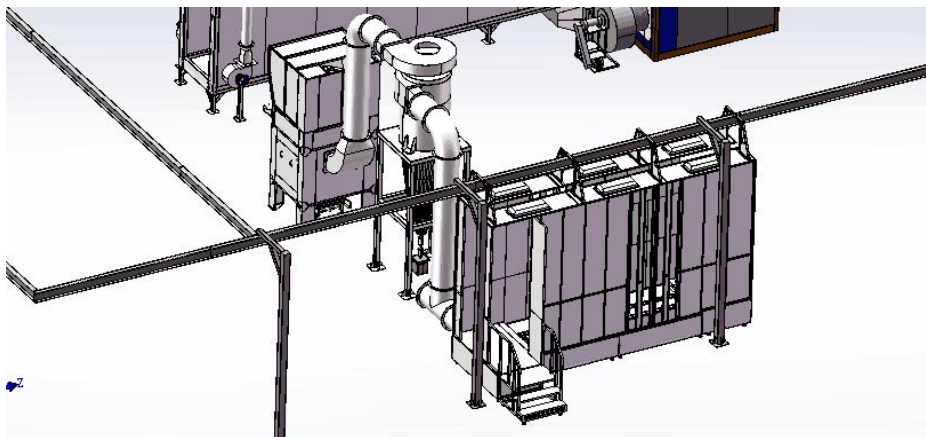
Drying Oven

Dry workpieces after spraying



Automatic Powder Spraying Equipment & Cyclone Recovery Booth

Achieves high production with excellent quality and uniformity, the booth is designed with mono-cyclone recovery, maximizing efficiency during color change



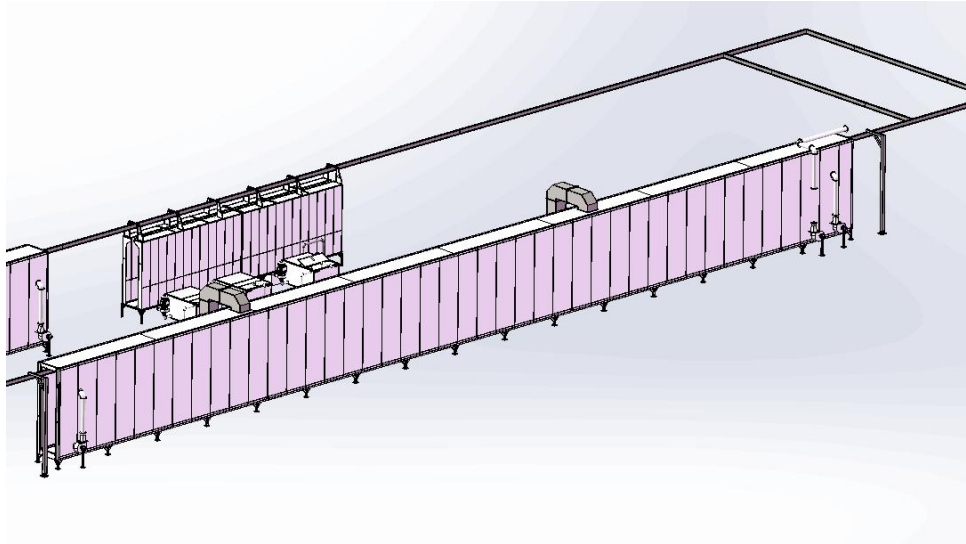


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Tunnel Oven

Gas fired curing oven, energy-saving and quick heating,



After finishing the manufacture of this complete powder coating line, Peter visited our factory again to checking the shipments. Thanks for Peter and his staff taking time in this project.





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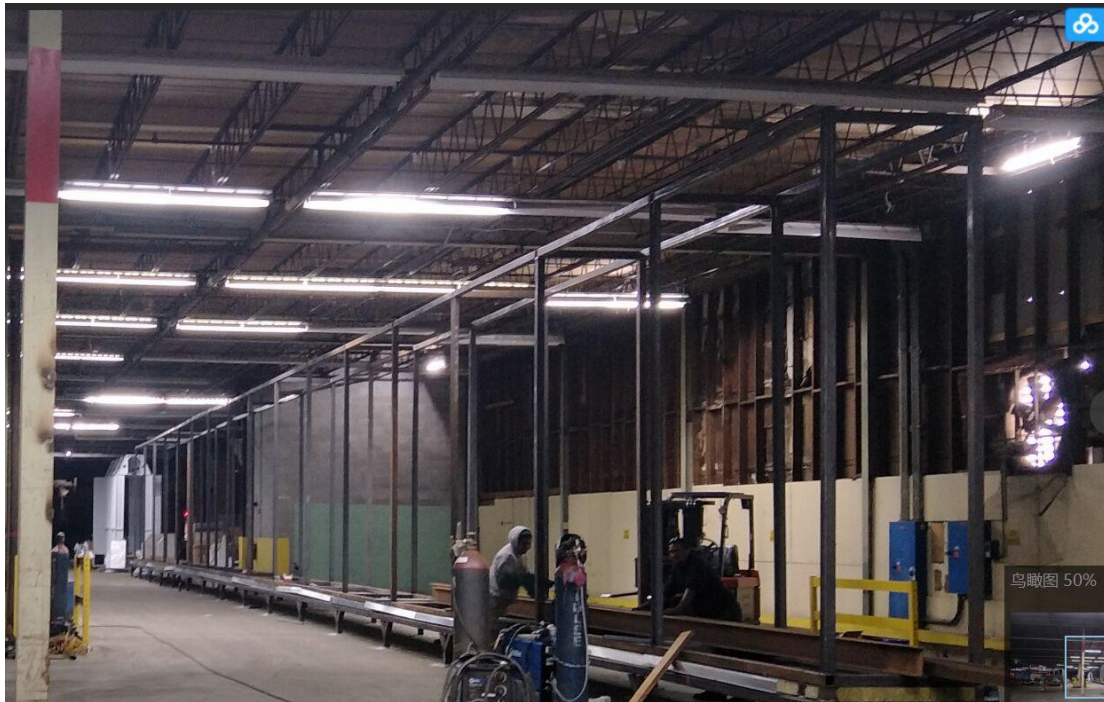
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Installation :

COLO dispatched two engineers to guide installation and testing the powder coating line.
Nikko power and free conveyor imported from Europe



Now this powder coating plant has been working.





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