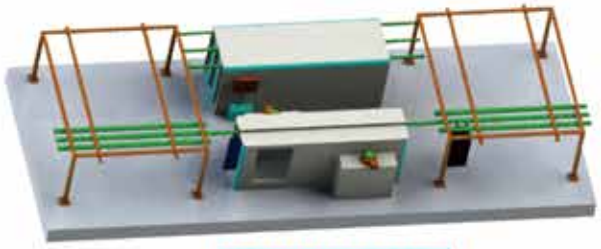
Manual coating plant process

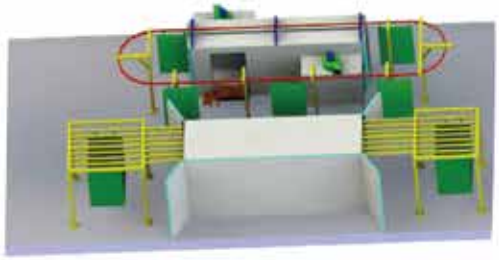
Manual powder coating plant, with overhead track or ground moveable trolley in powder coating booth and oven. Powder coating booth could be manual or automatic, oven is box type. Could choose different type according to different coating requirements. It is designed to handle special parts, such as complex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



COLO-L-M01



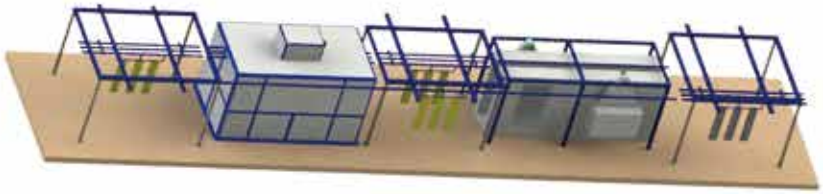
COLO-L-M02



COLO-L-M03



COLO-L-M04



COLO-L-M05



COLO-L-M06

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

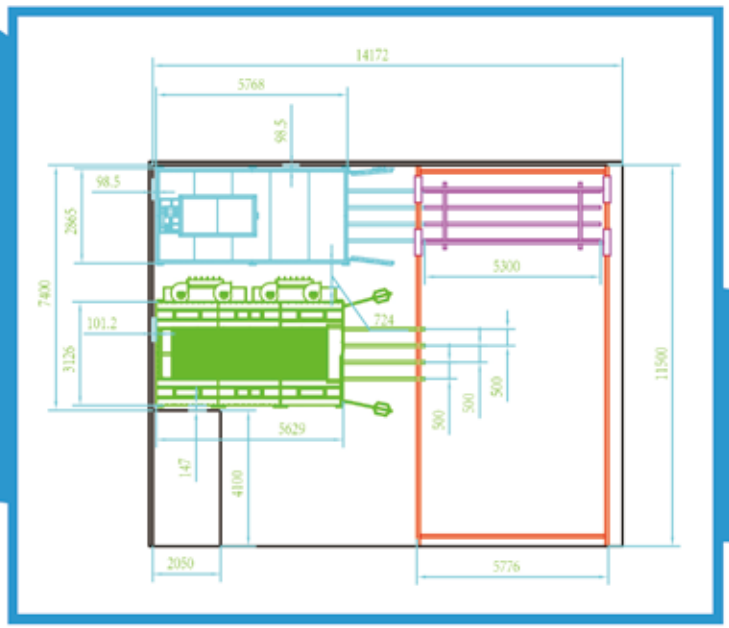




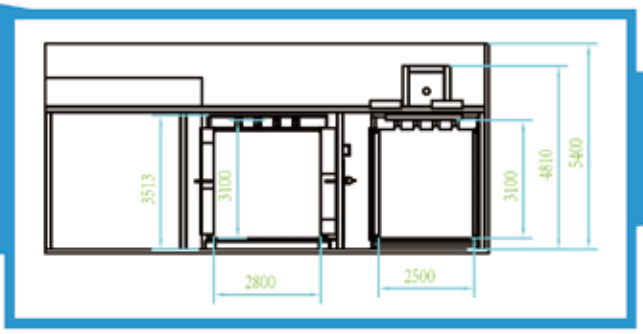




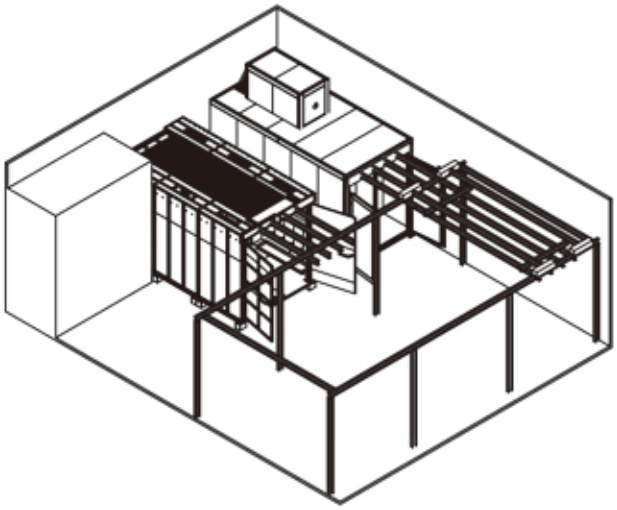
Batch powder coating plant for client in Australia







- Suitable for factory space size more than: 7400*14200mm
- For workpiece less than Width: 2000mm
- Height: 1800mm
- Length: 5000mm







Brett, 9:27

We were very impressed with your service and the finished product. Our oven traces show only 2-3 degrees heat variance over the entire oven during heat up which is amazing

Application

① Customer's workpieces before powder coating

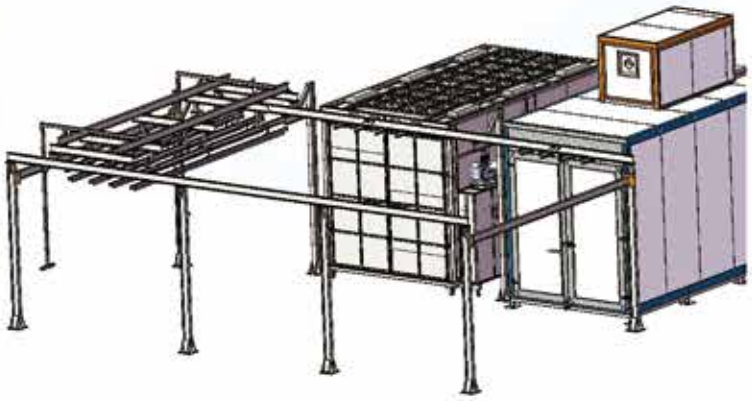


② after powder coating, come out from the powder spray booth



③ after curing, come out from the oven





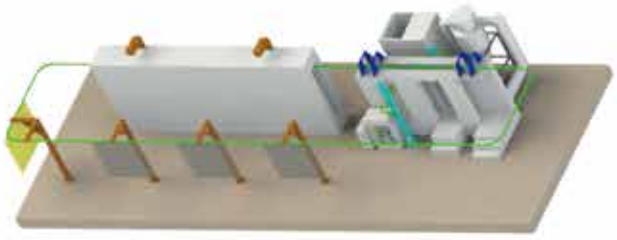
Finished drawing of powder spraying on other parts of the customer





Traditional tunnel type

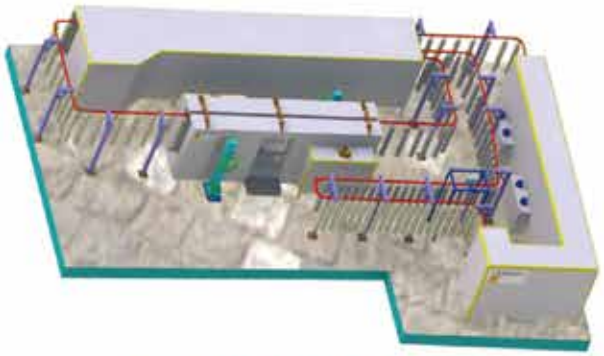
Normal single conveyor, tunnel oven. The part turn moves along with conveyor always, even tum the corner. The output capacity is bigger if the conveyor speed is faster, but the oven length will be longer accordingly.



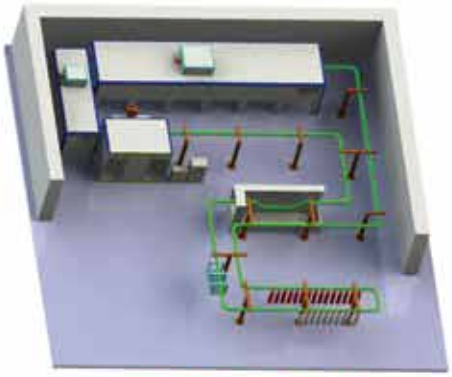
COLO-L-01



COLO-L-02



COLO-L-03



COLO-L-04

COLO design, manufacture and install this manual powder coating plant in Argentina for mass production metal spare parts.



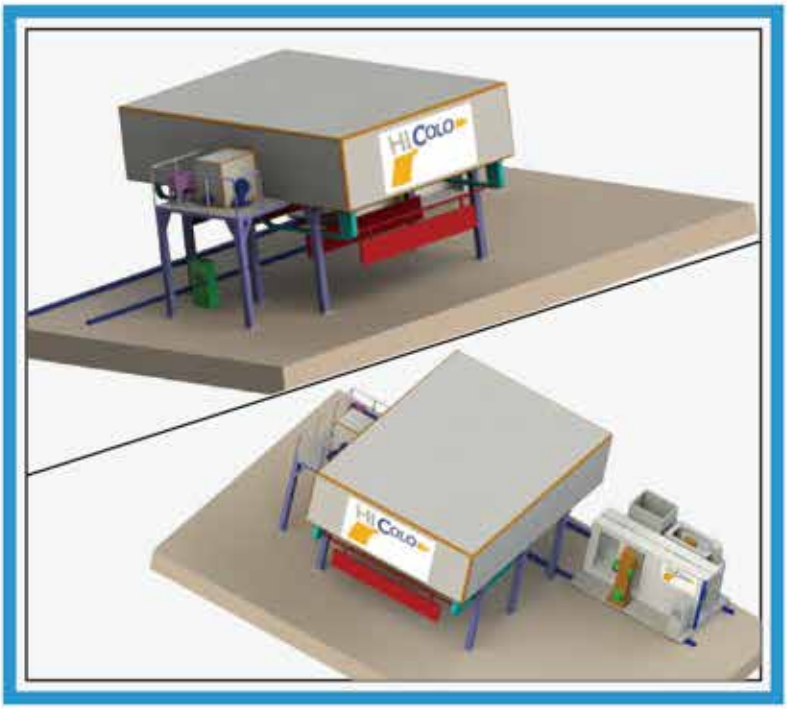






Compact Powder Coating Plant for Aluminum Profile

The conventional type Horizontal Powder Coating Plant it uses very long and big space and henceit is difficult for existing factories to consider production expansion. However, with Compact System, it only needs about 300 m² 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 -4tons of profile in 8 hours.



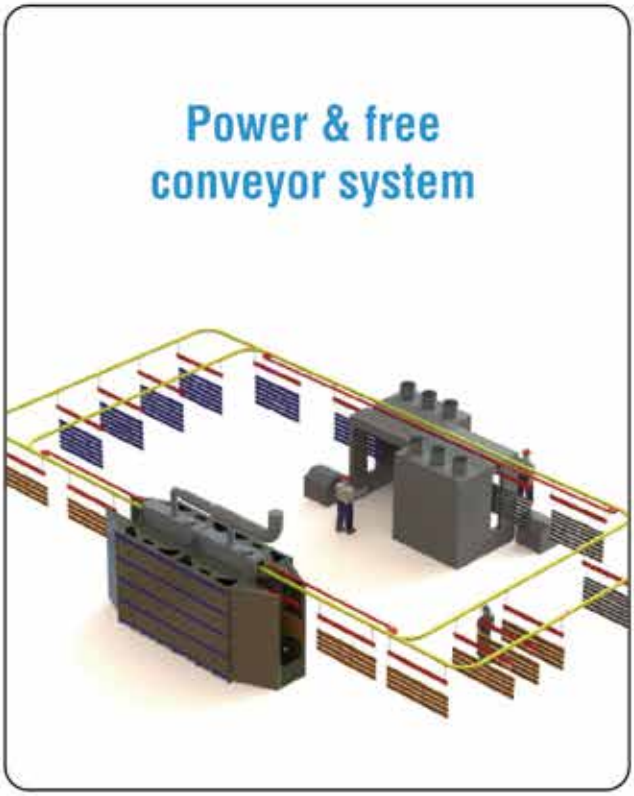
We designed, manufactured and installed this compact powder coating plant in Indonesia for the 6m aluminum profile.





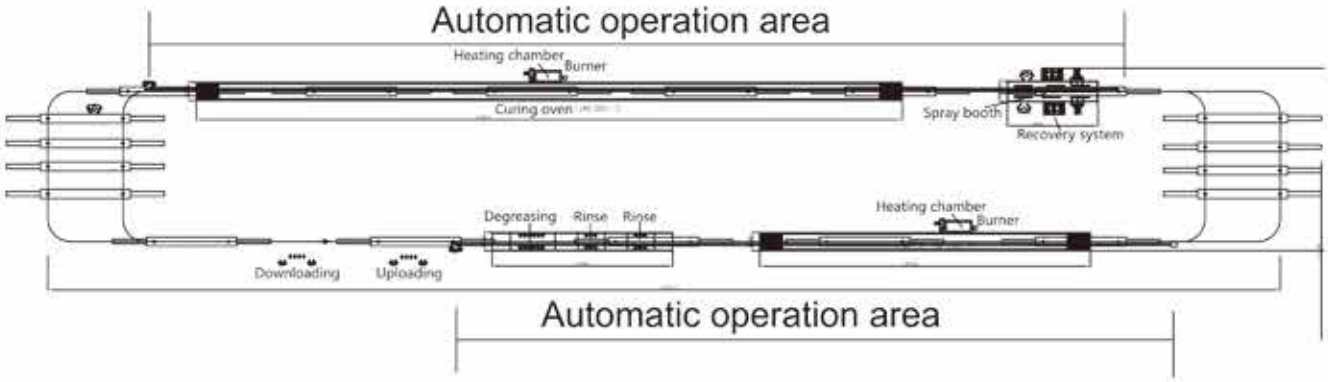



Conveyor system



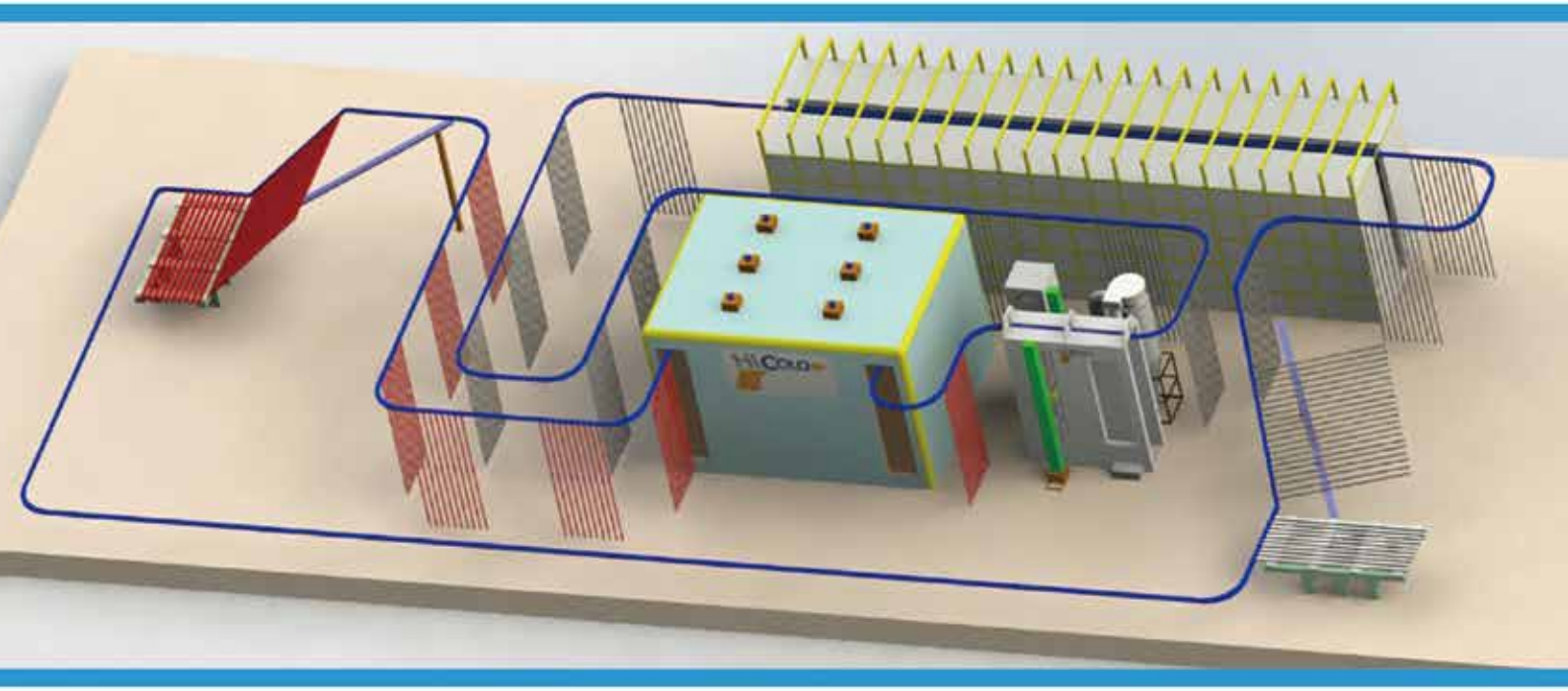


Power & free conveyor is highly automatic and integrative, which can stop individual loads without stopping the entire production line. The main conveyor is moving continuously, but another loading conveyor just move step by step, the output capacity can be very big if the main conveyor speed is fast,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



Vertical Powder Coating System

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.









Conveyor System And Accessories





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



150 type UH-50750HA



150 type UH-5075-S



200 Type



7075standard 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

Conveyor System And Accessories



Horizontal elbow 180°

Lifting group



Inspection track



track 150

Spreader (custom design available)



G-Type



S-Type



C-Type



U-Type



Common Type



Auto Lubricator for conveyor chain system



Manual oil cup