



Hangzhou Color Powder Coating Equipment Co., LTD

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

Application Success Story of Automatic Powder Coating Line - Russia

Request Automatic Powder Coating Line for Road Guardrail

This company **Bastion-Lizing Co., LTD**, from Russia, manufacture and sell SAFETY GUARDRAIL in St. Petersburg for many years, they also have factory in Moscow. The guardrails are most supplied to government used for roadworks, thus requires high production.



4. Workshop Area: 35000×6000×4500mm (L×W×H)



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2. Production Procedure:

Work Piece Loading → Automatic + Manual Powder Coating → Powder Curing (20 minutes, 180~200°C) → Unloading

3. Powder Coating Conveyor Speed:

1. Conveyor Type: Suspension Conveyor Chain System
2. Production Line Working Speed: 1m/min (adjustable 0.5-4m/min),
(conveyor speed adjustable by inverter 1m/min);
3. Coating Curing Time: 18 minutes, Curing Tunnel total length 27 meters.
(Including 4.2meter entry and exit)

4. Powder Coating Plant include equipment

1. Powder Coating Curing oven	1 Set
2. Powder Spraying Booth	1 Set
3. Manual Electrostatic Powder Coating Guns with Control	2 Sets
4. Automatic Electrostatic Spray Guns with Control	8 Sets
5. COLO-2000D Reciprocators,	2 Sets
6. Suspension Type Conveyor Line with Drive	1 Set

Conclusion

This project pended on applying automatic conveyor or manual conveyor at the beginning, because of the limited space. If choosing manual conveyor to meet the space, labor cost will be high as it requires more than 4 workers for this powder coating line while create lower production capacity.

To overcome the space and capacity, we suggest to use Infrared electrical oven for fast heating. It is a bridge type oven whose entering and exiting doors are lower while the middle part is higher, time-saving and energy-saving.



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COLO Engineer Guided the Powder Coating Line Installation in Russia





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After finishing the installation and testing, the customer want to buy another powder coating line from us ,which will install in Moscow.

Thanks for choosing COLO, we hope offering more and more excellent solutions for customers all over of the world. COLO has 10 years experience in designing, manufacturing, installing powder coating systems.