

Industrial Color Coating Line for Metal and Film

This industrial color coating line is engineered for applying coatings to metal sheets and films such as PET, PVC and aluminum. It features vector control for high-precision drive, simplified maintenance, and ease of control.



ADDITIONAL IMAGES



Product Overview

Industrial Color Coating Line

This industrial color coating line is designed for the continuous application of organic paint layers onto metal substrates, including cold-rolled, galvanized, and galvalume plates. Engineered for high-volume output, it ensures uniform quality and efficiency for applications in both home appliances and construction sectors. The system incorporates advanced features like vector control for high-precision operation and waste heat recovery for improved energy efficiency.

Substrate Specifications

Dimensions

0.2 mm

Min Thickness

1.2 mm

Max Thickness

600 mm

Min Width

1250 mm

Max Width

Mechanical Properties

Property	CR Plate	GI/GL Plate
Yield Strength	130~350 MPa	130~380 MPa
Tensile Strength	250~420 MPa	250~420 MPa

Compatible Materials

Cold Rolling Plate (CR), Galvanizing Plate (GI), Galvalume Plate (GL), Stainless Steel

Line Performance

Operational Capacity

150 m/min

Max Line Speed

150000 tons/year

Max Annual Output

Coating Details

- Continuous two-coating two-braking on each side
- Positive side dry film: 5~15 μ m
- Back side primer paint: 5~10 μ m

Technical Features

System Features

- Vector control drive for high-precision and easy maintenance
- Two-grade chemical degreasing
- Three-grade water rinsing and spraying
- Waste gas incineration and heat recovery system

Energy & Fuel Sources

CNG, Electricity, LPG, Coal, Coal Gas