

# 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 $\mu$ m
- Back side primer paint: 5~10 $\mu$ 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