

THE BRONX GROUP



CONTINUOUS COLOUR COATING SOLUTIONS

Designing and manufacturing continuous colour coating lines



www.thebronxgroup.com

The Bronx Group

Celebrating 80 years of providing high quality coil processing solutions, The Bronx Group of companies continues to remain a trusted specialist across the globe. The Bronx Group has been desinging and building organic coating lines for over forty (40) years with as many references worldwide. We are proud to provide our well of engineering expertise and world-class customer relationship management services to ensure optimal performance and client satisfaction.

Coil Coating is a term used to describe the applicaiton of a decorative and/or protective organic coating to metal supplied in coil form.

The type of metals coated include:

- Steel
- Galvanised Steel
- Aluminium
- Steel/Aluminium Composites

For standard designs, metal thicknesses vary from 0.20 - 1.60mm and in widths from 600 - 1600mm.

The type of products typically made from 'pre-painted' steel include:

- Roofing and wall cladding
- Guttering
- Fences and walls
- Whitegoods and appliances
- Cool-room panels
- Roofing tiles
- Drum ends
- Housings and casings
- Industrial furniture and racking
- Office furniture

There are a host of other products within the construction, roofing and homegoods industries which also utilise pre-painted steel.



Selecting a Colour Coating Line

Capacity:

Bronx can design and manufacture Conventional Colour Coating Lines to accommodate your business and its target capacity per annum.

Our lines are designed to apply either a superior quality three-coat system or an economical two-coat system.

Design Parameters:

Bronx's innovative designs allow for the installation of a lower capacity line, requiring a correspondant low capital investment. As demand increases, Bronx can then upgrade the line to higher output volumes.

By designing a new line to easily accept equipment retrofitted in the future, these modifications can be made with minimal downtime to the existing line.



Bronx Colour Coating Line Installation



Bronx Colour Coating Line



Bronx Colour Coating Line

Design

To design a line to meet the customer's capacity requirements, Bronx requires a reference strip width and thickness, together with maximum/minimum thickness and widths.

The reference strip is the strip size most commonly processed. With this information our designers are able to determine:

1. The thermal capacity of the oven and the strip contact time in the oven and/or
2. The maximum process section line speed

The initial selection of these parameters must be suited to the desired output. To purchase a line with excess capacity would be over-capitalising, and one with insufficient capacity means losing market share.

Ovens

Bronx offers a choice of Gas or Infrared curing ovens on our colour coating lines. Bronx has extensive references in both curing technologies, ensuring our customers have the flexibility to select their preferred option. Both ovens are proven technology, operating in many lines worldwide.



We offer the following services to our customers:

- Project Feasibility
- Equipment Design
- Installation and Commissioning
- Technology Transfer
- Training of Operators and Production Personnel
- Operator and Maintenance Manuals
- Product Testing
- Downstream Equipment
- Ongoing Technical and Customer Support

Our experience in Colour Coating line design, operation and manufacture allows Bronx the opportunity to offer more than quality equipment.

We pride ourselves on our ability to provide unparalleled service, ensuring that our customers are satisfied not only during the project, but post-installation and commissioning.



Above, below and right: Bronx Colour Coating Line





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