

THE BRONX GROUP



COIL EMBOSSING SOLUTIONS

Providing Coil Embossing Solutions for your Business



The Bronx Group

EMBOSSING

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 offers a range of coil coating solutions, from renowned colour coating lines to our embossing line range as well as a host of products which can be placed into an existing line.

Metal Embossing Machinery and Rolls

How Does it Work?

Metal embossing involves passing the coil sheet through heavy duty engraved rolls to create an imprint on the metal. Embossing can be carried out after painting the substrate, without damaging the paint, and can also emboss aluminum or stainless steel.

Unlike the embossing carried out on plastisols, the base metal is embossed completely (the metal is actually deformed). The purpose of this embossing is less about visual appearance and more about increasing the strength and stiffness of the base metal, such that lighter gauge metal can be used. Designs like woodgrain and leathergrain can provide the appearance of wood or leather but have the durability of metal.



Typical Bronx Embosser

Double-sided Pattern:

Produced by rolling coils between special imprinted rolls, the strength and rigidity of the material is increased. Therefore a thinner sheet may be used, though results in a strengthened material.

Embossing can be done on the following:

- Stainless Steel
- Aluminum
- Steel

Typical applications include:

- Wall panels/Cladding for buildings
- Interior of lifts and doors
- Stairs and walkways
- Sinks and counter tops
- Protective shields

Special Finishes:

Decorative finishes are rolled on one side to create a decorative surface with a high resistance to wear and scratching. These finishes are highly formable.

SOLUTIONS

Bronx and Standex



Upon purchasing a Bronx embossing machine, you also receive the benefit of decades of experience in the design and build of coil processing equipment. This is coupled with the quality and expertise offered by an industry leading roll manufacturer.

All Bronx Embossing Machines are fitted with state of the art Standex International Limited Metal Embossing Rolls.

Infinite Possibilities

The rolls produced by a Bronx Embossing unit can be any design of your choosing. There are unlimited possibilities for creating a design unique to your company's needs, or choosing one of the many standard designs.

Creative Business Solutions

Metal Embossing creates new opportunities for your product and to your customer's end product.

Standex Rolls and Bronx Embossing equipment are precision designed and engineered to offer an array of patterns and strength to the substrate.

Embossing Applications:

Choose from thousands of patterns, such as Stucco, leathergrain, woodgrain etc, or create your own unique design! Bronx embossing equipment is available for steel, aluminum and stainless steel. Embossing can also be done on untreated, galvanised or coated strip.



- Variety of patterns
- Bespoke designs
- Extra character to finished product
- Visually appealing
- Corrosion resistant
- Resistant to scratching/wear
- Life cycle cost savings
- Rejected steel can be reprocessed into prime stock through embossing

Bronx can supply a coil to coil embossing line as well as integrate a metal embosser into your existing equipment (roll-forming, slitting and colour coating lines)





BRONX ENGINEERING LTD Bronx head office. Hellier House, Wychbury Court Two
Woods Lane, Brierley Hill, West Midland DY5 1TA England
TEL: +44 (0) 1384 486648

BRONX PROCESS TECHNOLOGIES S.R.O. Manufacturing Division. Teplárenská 2,
Košice 040 12 Slovak Republic
TEL: +421 949 251 663

USA/AMERICAS Bronx Office. 205 North Michigan Avenue, Suite 810 Chicago, IL
60601 TEL: +1 708 212 73 71