

THE BRONX GROUP



DIGITAL PRINTING SOLUTIONS

Providing Production Solutions for the
Coil Coating Industry



DIGITAL

The Bronx Group

Bronx has been designing and building Colour Coating Lines for over 50 years, with as many references in over 30 countries. Our strength in engineering, commitment to excellence and performance, as well as delivering solutions tailored to our customer's business have all been key in cementing our global reputation in coil coating, finishing lines and modernisations.

Given our rich experience and history in the industry, Bronx has witnessed many significant advances in coating technology and equipment design. Bronx prides itself on being at the frontier of introducing these technologies to the market. Such technologies include the growing demand for digital printing on steel and aluminium.

About Digital Printing



Digital printing opens up a new world of possibilities. Bronx is proud to be providing a number of offerings for your business, allowing you to put your custom designs and graphics directly onto metal.

The technology allows for a full range of colours and images to be printed onto your selected material.

Whilst conventional patterning relies on repeated images limited to the size of the roll in use, digital printing provides much greater flexibility to suit your business needs.

Digital Printer

Depending on the machine selected, there will be some variation in maximum width. With the ability to print in any length of image, from as small as 12cm (4.7") to as large as 10 metres (32 ft), employing any range of colours, the possibilities are endless.

- Image and Development Flexibility
- Image Changeover
- Image Resolution
- Production Reliability
- Modular Technology

PRINTING

Future-Proof with Digital Printing

With instant image changeover, digital printing allows the user to have complete control over output. Print your desired image, and then seamlessly switch to the next product with minimal scrap losses. Digital printing provides greater efficiency to production with no line stoppage, clean-down times nor any waste. There is also flexibility in the resolution of your images, whether you wish to conserve ink or print beautiful, high quality images. The printer will also predict ink consumption based on the selected image and resolution parameters, to help with advising on required stock levels.

Development Flexibility

Digital printing also enables you to develop your own images. Images can be uploaded swiftly and printed the same day from in-house designed graphics to stock images, development is flexible.

There is no capital investment required to create new images to be printed on the machine. No new rolls, no new printer heads – simply software changes that are fully and freely accessible with machine purchase.

Modular Technology

The digital printing system standard delivery is 4-heads to achieve all colour combinations, however the capability of these digital printers far exceeds the industry standard. Whilst you can achieve a vivid range of colours with CMYK printing, specialty inks can also be implemented (such as glazes, glues, lustres, metallic inks, matt and gloss). The use of these specialty inks can provide additional value to your finished product, as well as expanding your deliverable product range. For example, we can supply a unit which can handle up to 12 heads in the module for an extreme variety in printing.

Production Reliability

Additional to the machine's complexity, the digital printer is equipped with built-in maintenance and purging systems. This self-cleaning technology ensures continual product operation in a 24/7 environment.

Factory Arrangements

Bronx have developed this system to work cohesively with our other products in a variety of ways. We have a dedicated Start/Stop line which can only produce Digital Products, which is considered the entry level. Bronx also has a combination Start/Stop line, which can also produce standard polyester paints. Both these arrangements require pre-painted feedstock. Finally there is a full line (available in either warehouse or conventional range) with Digital Printing as an additional feature. This range of options means you can select the right arrangement for your needs.





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

RUSSIA/CIS REGION Bronx Office. 107045, Russia, Moscow, Trubnaya Street, 12,
Business Centre Millennium
TEL: +7 967 198 04 67

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