

BRONX COATING CONTROL EQUIPMENT

Bronx International is a leading designer and builder of Continuous Galvanising Lines, including Coating Control equipment.

Continual development of our Coating Control equipment has ensured Bronx is a well-respected supplier of Air Knives and Pot equipment for new installations, as well as upgrades to existing lines. Bronx Coating Control equipment is also supplied to other metal coating line manufacturers for their projects worldwide.

The Bronx design has a number of unique features which provide our customers with a controllable, accurate and consistent coating thickness. The result is a high quality, high yield product.

Bronx has developed a range of models and options to suit various applications and budgets.

➔ Bronx Next Generation

Bronx Next Generation Air Knives and Pot equipment have been developed to achieve the low coating mass requirements at higher speeds demanded in today's marketplace. At the same time, higher coating mass can be produced as required. The next generation design achieves the smooth laminar air flow required to achieve the coating and ensure a high quality surface.

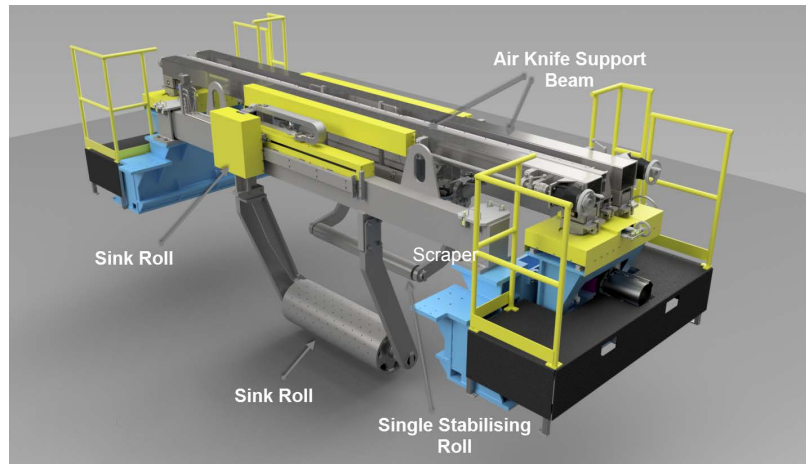
➔ Next Generation Air Knives

- Designed for line speeds up to 185mpm
- Coating weights from 40g/m² to 350g/m² (both sides, subject to line speed & coating type)
- Strip widths up to 1500mm
- Differential coating capability
- Compact design allowing excellent pot access
- Hardened alloy steel and chrome plated air knife lips to maximise operational life
- Edge Baffle system to minimise coating build up on strip edges (required for slower production & heavier coating mass)
- Controls & Adjustments include:
 - Knife to pot vertical (adjustment via servo motor)
 - Knife to strip horizontal (adjustment via servo motor)
 - Knife angle of attack (manual adjustment)
 - Knife jet gap (Pre-set offline to meet production requirements)
 - Air knife gap cleaning device (auto programmed for welds or operator initiated via HMI)
- Options:
 - Air Knife gap maintenance & calibration stands
 - Dressing robot
 - Dress Recovery Unit



➔ Next Generation Pot Equipment

- Heavy-duty, robust design
- Pot equipment mounted on single pedestal stands on each side of the pot allowing excellent pot access
- Horizontally adjustable stabilising rolls via servo motor to set pass line
- Quick-release bearing carrier on all roll arms for fast roll changes
- Indexable, cartridge type bearings on all rolls assisting roll change & maximising bearing life
- Options:
 - Remote operated sink roll scraper blade (required for Galvalume®)
 - Maintenance & calibration stands for sink & stabilising rolls



➔ Standard Air Knife & Pot Equipment

The Bronx Standard Air Knives & Pot equipment, which have proven successful in installations on many Bronx Metal Coating Lines and coating line upgrades around the world are still available.

- Compact design allowing excellent pot access
- Double Quick Change Head design with hardened alloy steel & chrome plated Air Knife lips
- Designed for line speeds up to 150 mpm
- Coating weights from 90g/m² to 350/m² (both sides)
- Strip widths up to 1500mm
- Controls & Adjustments include:
 - Knife to pot vertical
 - Knife to strip horizontal
 - Knife angle of attack
 - Knife skewing
 - Knife jet gap
 - Knife air pressure (tandem & individual)
- Air Knives & pot equipment mounted on single pedestal stand allowing excellent pot access
- Horizontally adjustable stabilising & correcting rolls to set pass line & correct strip shape



For more information on our range of Bronx Process Lines please contact our Business Development team or sales office salesgroup@thebronxgroup.com or visit our web page www.thebronxgroup.com Phone: +61 2 9534 4233