



# PT CNC DISAIN NUSANTARA PROCESS LINE CONTROL SYSTEMS

## REFERENCE LIST 2023-2024

## Introduction

Welcome to CNC Design, an established global supplier of process line drives and automation systems. As a prominent system integrator, we take pride in our extensive track record, having successfully completed more than 20 lines and upgrades, our dedicated and experienced engineering team brings a wealth of knowledge to every project.

CNC Design's core focus lies in providing quality line tension control and automation by leveraging cutting-edge technology from Siemens, Germany. We understand the critical role these elements play in enhancing efficiency, precision, and overall productivity within the metals industry. Whether it's upgrading existing systems or new, state-of-the-art solutions, CNC Design is committed to innovation and reliability.

Our collaborative approach involves bringing together design teams from Indonesia and Australia, coupled with manufacturing, installation supervision, and commissioning by our proficient Indonesian team. This ensures we provide high-quality technical solutions at realistic and competitive prices.

## Who We Are?

PT CNC Disain Nusantara (Indonesia) has helped manufacturing companies in Indonesia to solve their most challenging issues in industrial automation, drive engineering and motion control for more than 27 years. We are part of CNC Design Group (Australia). We are the exclusive Siemens, Gudel and HSD representative for machine tool products, where we support sales, engineering and service. We have over 150 people located in our offices in Australia, Indonesia, New Zealand, Thailand, Malaysia and Singapore.

In recent years, CNC Design has undergone a transformative journey, evolving into a holistic mechatronic solution provider for machine builders and end customers across the globe. Our unwavering commitment to drive engineering, automation, and comprehensive solutions has led us to remarkable achievements.

With a seasoned engineering and electrical design team at our core and valued partnerships with industry leaders like Siemens and Gudel, we have successfully realised our mission. Whether it's optimizing complex systems in coil coating lines, galvanising processes, or fine-tuning coating process control, we are here to deliver excellence at every step.

**PT CNC DISAIN NUSANTARA**

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YEAR	COMPANY NAME/ END USER	COMPANY LOCATION	SCOPE GENERAL PROJECT	HIGHLIGHT INFORMATION	TOTAL DAYS TO DO JOB
2024	Bronx International/ Papalotes	Mexico	Electrical Package for Continuous Painting Line	Maximum line speed was 70 m/min. To deliver hardware and control designs which consist of Siemens S7-1500, 40 Siemens Sinamics AC Drives, 5 HMI Stations, and more	Under construction
2023	Bronx International/ Tata Metal Lestari	Indonesia	Electrical Package for Prime Paint and Finish Coater	Maximum line speed was 100 m/min. To deliver hardware and control designs which consist of Siemens S7-1500, 10 Siemens Sinamics AC Drives, 2 HMI Stations, and more	On-site: 14 working days (including Saturday)
2023	Bronx International/ Polysteel	Ukraine	Electrical Package for Prime Paint and Finish Coater	Maximum line speed was 40 m/min. To deliver hardware and control designs which consist of Siemens S7-1500, 31 Siemens Sinamics AC Drives, 6 HMI Stations, and more than 400 machine I/Os	Remote Commissioning: 50 working days
2019	Bronx International/ Heavy Metal	Ukraine	Electrical Package for Prime Paint and Finish Coater	Maximum line speed was 40 m/min. To deliver hardware and control designs which consist of Siemens S7-1500, 31 Siemens Sinamics AC Drives, 6 HMI Stations, and more than 400 machine I/Os	On-site Commissioning: 60 working days
2019	Bronx International/ MPZ	Russia	Electrical Package for Prime Paint and Finish Coater	Maximum line speed was 40 m/min. To deliver hardware and control designs which consist of Siemens S7-1500, 31 Siemens Sinamics AC Drives, 6 HMI Stations, and more than 400 machine I/Os	On-site Commissioning: 60 working days
2018	Bronx International/ Colortec	Hungary	Electrical Package for Prime Paint and Finish Coater	Maximum line speed was 40 m/min. To deliver hardware and control designs which consist of Siemens S7-1500, 31 Siemens Sinamics AC Drives, 6 HMI Stations, and more than 400 machine I/Os	On-site Commissioning: 60 working days
2018	Bronx International/ Unimetal	Azerbaijan	Electrical Package for Prime Paint and Finish Coater	Maximum line speed was 40 m/min. To deliver hardware and control designs which consist of Siemens S7-1500, 31 Siemens Sinamics AC Drives, 6 HMI Stations, and more than 400 machine I/Os	On-site Commissioning: 60 working days
2017	PT Dwijaya/ PT Dwijaya	Surabaya	Electrical Package for Prime Paint and Finish Coater	Maximum line speed was 40 m/min. To deliver hardware and control designs which consist of Siemens S7-1500, 14 Siemens Sinamics AC Drives, 6 HMI Stations, and more than 200 machine I/Os	On-site Commissioning: 60 working days
2016	Bronx International/ Tezcan Galvaniz,	Turkey	Electrical Package for Prime Paint and Finish Coater	Maximum line speed was 150 m/min. To deliver hardware and control designs which consist of Siemens S7-300, 31 Siemens Sinamics AC Drives, 6 HMI Stations, and more than 400 machine I/Os	On-site: 48 working days (including Saturday)
2015	Bluescope Steel Westernport Site	Victoria, Australia.	Continous Galvanizing Line DC Drives upgrade	Upgrading 22 DC drives for process section, from old model dc drives into Sinamics DCM	On-site: 10 working days (including Saturday)
2013	PT Sarana Central Bajatama	Karawang, Indonesia	Electrical Package for Prime Paint and Finish Coater	Maximum line speed was 100 m/min. To deliver hardware and control designs which consist of Siemens Simotion Motion Controller, 27 Siemens Sinamics AC Drives, 4 HMI Stations, and more than 300 machine I/Os	On-site: 48 working days (including Saturday)

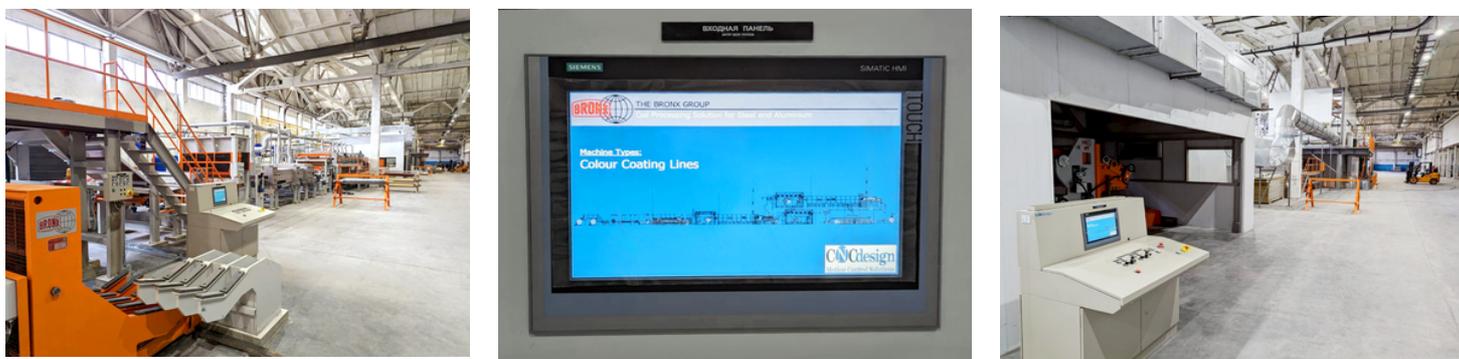
YEAR	COMPANY NAME/ END USER	COMPANY LOCATION	SCOPE GENERAL PROJECT	HIGHLIGHT INFORMATION	TOTAL DAYS TO DO JOB
2013	Bronx International/ Misha Mabati Mills	Kenya	Automatic Airknife and Tension Leveller	Delivered hardware and control design, and project commissioning which consist of Siemens S7-300 Controller, 10 Siemens Sinamic Servo Drives, 2 HMI Stations, and more than 30 machine I/Os	On-site: 12 working days (including Saturday)
2012	Bronx International/ Tezcan Galvaniz	Turkey	Electrical Package for Prime Paint and Finish Coater	Maximum line speed was 100 m/min. To deliver hardware and control designs which consist of Siemens S7-300, 31 Siemens Sinamics AC Drives, 6 HMI Stations, and more than 400 machine I/Os	On-site: 48 working days (including Saturday)
2012	Bronx International/ Tezcan Galvaniz	Turkey	Electrical Package for Prime Paint and Finish Coater	Maximum line speed was 100 m/min. To deliver hardware and control designs which consist of Siemens S7-300, 31 Siemens Sinamics AC Drives, 6 HMI Stations, and more than 400 machine I/Os	On-site: 48 working days (including Saturday)
2011	Tumbak Mas (Lokfom)	Indonesia	Uncoiler Upgrade for Cut-to-Length Line	Upgrading uncoiler brake system into regenerative motor-drive system	On-site: 10 working days
2011	Bronx International/ Alcoat Metal	Turkey	Electrical Package for Continuous Painting Line	Maximum line speed was 60 m/min. Delivered hardware and control design, and project commissioning which consist of Siemens S7-300, 29 Siemens Sinamics AC Drives, 5 HMI Stations, and more than 400 machine I/Os	On-site: 42 working days (including Saturday)
2010	Bronx International/ First Aluminium	Port Harcourt Nigeria	Electrical Package for Prime Paint and Finish Coater	Maximum line speed was 60 mpm. Delivered hardware and control design, and project commissioning which consist of Siemens Simotion Motion Controller, 6 Siemens Sinamics AC Drives and 5 Siemens Simoreg DC Drives, 3 HMI Stations, and more than 200 machine I/Os	On-site: 60 working days (including Saturday)
2009	Bronx International/ Kovozink	Slovakia	Electrical Package for Continuous Galvanizing Line	Delivered hardware and control design, and project commissioning which consist of Siemens Simotion Motion Controller, 37 Siemens Sinamics AC Drives, 9 Siemens Servo Drives, 6 HMI Stations, and more than 600 machine I/Os	On-site: 48 working days (including Saturday)
2009	Bronx International/ Metals and Polymers (MP Steel)	Ukraine	Motorized air knives and Tension Leveler control	Siemens S7-300 Controller, 12 Sinamics AC Drives, 2 HMI Stations, and more than 50 machine I/Os	On-site: 18 working days (including Saturday)
2009	Bronx International/ Asesco	Colombia	Automatic Airknife System	Delivered hardware and control design, and project commissioning which consist S7-400 controller, 6 Siemens Sinamic S120 Servo Motor, 1 HMI Stations	On-site: 12 working days (including Saturday)
2008	PT Kerimas Witikco Makmur	Manado, Indonesia	Electrical Package for Continuous Galvanizing Line	Maximum line speed 50mpm Delivered hardware and control design, and project commissioning which consist of Siemens Simotion Motion Controller, 5 Siemens Sinamics AC Drives, 2 HMI Stations, and more than 50 machine I/Os	On-site: 18 working days (including Saturday)
2008	Bronx International/ ANV Steel (Isobau)	Greece	Electrical Package for Continuous Painting Line	Maximum line speed was 40 mpm. Delivered hardware and control design, and project commissioning which consist of Siemens Simotion Motion Controller, 29 Siemens Sinamics AC Drives, 5 HMI Stations, and more than 400 machine I/Os	On-site: 36 working days (including Saturday)
2008	Bronx International/ VBM	VMK, Russia	Surface Correction Mill and Tension Leveller	Delivered hardware and control design, and project commissioning which consist of Siemens S7-300 Controller, 5 Siemens Masterdrive AC Drives, 1 HMI Stations, and more than 50 machine I/Os	On-site: 24 working days (including Saturday)

2007	Bronx International/ Best Aluminium	Nigeria	Electrical Package for Continuous Painting Line	Maximum line speed was 35 mpm. Delivered hardware and control design, and project commissioning which consist of Siemens Simotion Motion Controller, 17 Siemens Sinamics AC Drives, 4 HMI Stations, and more than 200 machine I/Os	On-site: 48 working days (including Saturday)
2006	Bronx International/ Ace Gutters Pty Ltd	Wallaby, Sydney, Australia	Electrical Package for Continuous Painting Line	Maximum line speed was 35 mpm. Delivered hardware and control design, and project commissioning which consist of Siemens Simotion Motion Controller, 17 Siemens Sinamics AC Drives, 4 HMI Stations, and more than 200 machine I/Os	On-site: 36 working days (including Saturday)

## Bronx International/ Tata Metal Lestari (Indonesia)



## Bronx International/ Polysteel (Ukraine)



## Bronx International/ Alcoat (Turkey)

