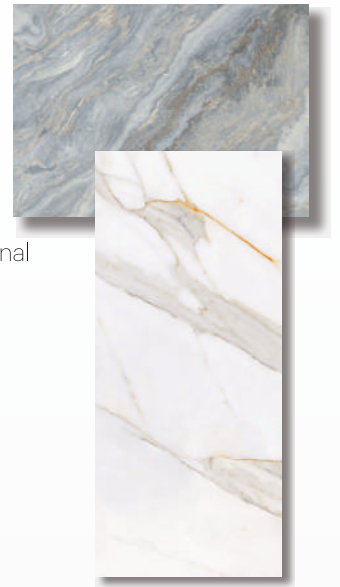# **PLOTTER** Scanning Digital Inkjet Printer

Making Industry Smarter!

The High-Precision, Multi-Functional & Eco-Friendly Digital Inkjet Printing Solutions for Ceramics, Building Materials and Diverse Panels Industry.

- **Sample Production & Low-Volume Production:** Efficiently transitioning from design to sample production, meeting the needs for customized and low-volume production.
- **Multi-Color HD Printing:** Configurable with up to 12 inks for wide color gamut coverage, ensuring precise pattern reproduction.
- **Multi-level Grayscale Control:** Supports multi-level grayscale for smooth color transitions and precise pattern printing.
- **Optimal Cleaning System for Ceramic Inks:** Engineered for ceramic ink properties to enhance operational efficiency and extend equipment operational life.
- **Large-Format Printing:** Supports oversized ceramic tiles up to 1800 mm × 1800 mm × 60 mm.
- **Remote Operation & Monitoring:** Enables remote assistance and diagnostics for efficient equipment management and maintenance.
- Equipped with **anti-vibration chassis design** bases for stable high-speed printing.
- Compatible With Various Inks: Supports **water-based inks**, **oil-based inks**, and **UV inks**.

  *Custom configurations are required for different ink types.

TECHNICAL DATA

MACHINE SPECIFICATIONS		
Printhead	Dimatix SG1024	Seiko 1536
Printhead width	64 mm	108 mm
Native resolution	400 dpi	360 dpi
Max. drop size	66 / 200 pL	92 / 220 pL
Greyscale levels	4	8
No. of inks	Up to 12	
Inkjet technology	Piezoelectric drop-on-demand	
Printing method	Scanning	
Max. part thickness	2.36 in (60 mm)	
Max. part length	70.87 in (1800 mm)	
Max. part width	70.87 in (1800 mm)	
Customizable aspects	Printing resolution	
Dimension (L*W*H)	14.27*14.76*6.56 ft (4350*4500*2000 mm)	
Anti-vibration chassis	Yes	
Remote Internet access	Yes	
Image files format	TIFF (N channels)	
Rendering time	Variable	
Inks Compatibility	Water-based inks / Oil-based inks / UV inks	
Optimal belt cleaning system	Yes	
Inks Recirculation	Yes	

PRODUCTION						
	Dimatix SG1024			**Seiko 1536**		
Printing Width	Passes	Resolution	Printing Speed (m²/h)	Passes	Resolution	Printing Speed (m²/h)
1800mm	1-Pass	360*400	113	1-Pass	360*360	155
	2-Pass	360*800	71			
	1-Pass	400*400	90	2-Pass	360*720	100
	2-Pass	400*800	57			

dpi.