PRO

projecta

PRO

PROJECTA
ELECTRONICS

Powered by
⚡FD1

SPRINTA
New user
interface

Maximum printing
width 1136mm

Up to
8 bars

Up to **12 bars**
with **PRO PLUS**

11litres
stainless steel
ink tanks

1180mm
conveyor belt

Up to
80 lm/min

PRO

Features & benefits

01
New Color Management & Rip – SMART DROP

Due to its innovative algorithm, it selects automatically the best drop size to be used on any part of the design to always reach the best possible result both in printing quality and uniformity. **SMART DROP** works for all the designs, from the lightest do the darkest ones.

02
Improved Ink System

New generation automation and sensors allow to have almost the same temperature in the whole ink system (from the main tanks to the print heads) avoiding ink shades and/or variations. Improved and more accurate meniscus setting.

03
High Precision Printing Accuracy System

Due to very innovative developments on the printing settings such as voltage regulation (10 times more accurate), tension, firmware, software, encoder, motion system and sensors, the printing accuracy in the new PRO has reached a new dimension.

04
New User interface SPRINTA

Completely reengineered and very friendly navigation. Improved user accessibility and equipped with brand new features.

05
RT² - The Squared Real Time

Allows modifying ON THE FLY any printer setting, from color intensity to printing size, from type of design to alignment, without downtime and production losses.

06
Configurable Dash Board

Highly customizable control panel. User may choose which information to be displayed in order to have the preferred data always visible.

07
PROJECTA Electronics

Brand new generation of print management boards. 100% in-house developed

PRO

Technical specifications

General machine configuration

		SEIKO	FD1
Number of printing bars		Up to 8 / Up to 12 bars with PRO PLUS	
PH technology		SEIKO	FD1
Type of ink	Oil based	RC1536/RC1536L	FD1
	Water based	RC1536A	NA
Max printing width		1136mm	1136mm
Conveyor		Belt	
Conveyor size		1180mm	
Max conveyor belt speed		up to 80m/min	

Electrical configuration

Power	Multi range 3F + PE: 400-415-440-460-480-500 VAC +/- 10%
Frequence	50/60 Hz
Total power installed	kVA 24
UPS	included
Pneumatic power	Recommended 6 bar/ Minimum required 4,5 bar
Compressed air consumption	120 Nl/min at 6 bar
Type of compressed air	Filtration class 3 ISO 8573

Dimensions

H (height)	1960mm
W (width)	2000mm
L (length)	6250mm

Optionals

G-Synchro

An Advance Camera that detects each one of the pattern of a model to different media based on some shape differences to sync up tile shape or texture given by digital grit application (DryFix) or by traditional analog application (press punches) with your ink-jet decorated design.

VISIONA

Brand new Vision system developed to detect incoming media dimension and position automatically, aligning print design to match exactly tile position on the belt.

Tile Thickness sensor

Tile Temperature Sensor

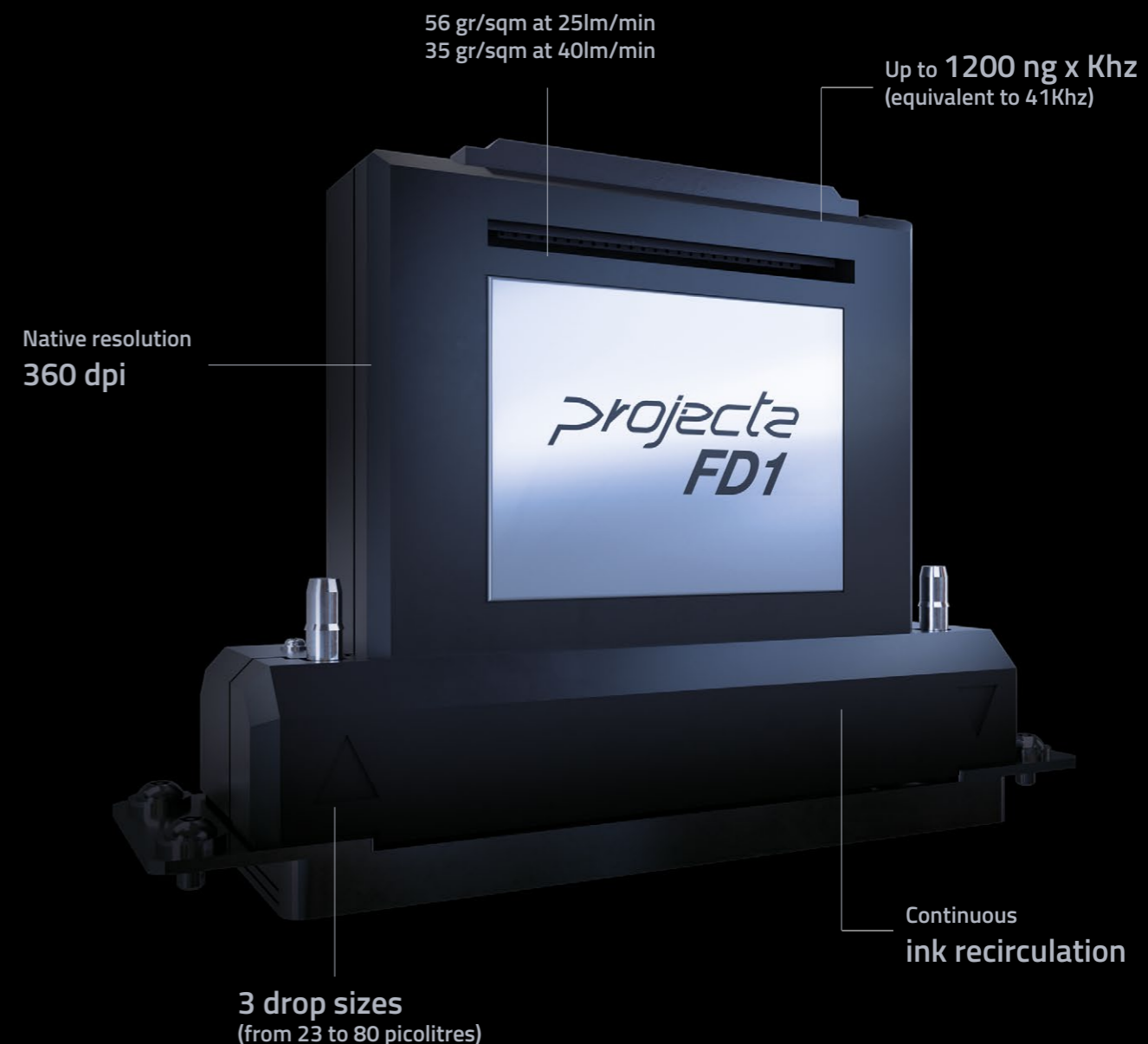*Double line printing*

Printhead / FD1
Fast Drop One

FD1 has been developed with a very specific waveform to reach very **high firing frequency**, improving drop behavior.

Its **new injector geometry** allows more printing uniformity thanks to a more straight drop jetting.

Less nozzle blockage due to its very high firing frequency.

New stainless steel nozzle plate which provides better printing accuracy and printing quality.

Very robust and durable, which reduces the cleaning frequency of the printheads

56 gr/sqm at 25lm/min
35 gr/sqm at 40lm/min

Up to **1200 ng x Khz**
(equivalent to 41Khz)

Native resolution
360 dpi

Projecta FD1

Continuous ink recirculation

3 drop sizes
(from 23 to 80 picolitres)