

DataRunner™ Mark II



General description:

The DataRunner™ Mark II integrates Scitex VersaMark™ Printing Technology in an offline printing system designed by Matti Technology, Switzerland. Incorporating the new 9" print head from Scitex Digital Printing, the DataRunner offers data centers, service bureaus and in-plant operations a high speed, variable data, color digital printing solution for financial and billing statements, letter shop applications, mailings, and tags, tickets and labels.

Compatible with the modularity and flexibility inherent in the VersaMark product family, DataRunner components include an unwind unit, drum dryer, print towers and finishing options from Matti and the System Controller 220, Data Station 120 and Print Station 90 from Scitex. This combination of components offered as a turnkey solution features page wide, 1-up or 2-up, simplex or duplex printing at speeds up to 500 fpm.

In addition, because of the modular design of both technologies, a model selected today can be easily upgraded as business requirements grow and change. Other design features of the transport include the closest possible space between the print heads for shortest web path and best registration, in conjunction with tension controlled infeed and outfeed, user-friendly touchscreen, temperature controlled heat drum, and precision manufactured, retractable head mounts for perfect stitching are added for easy operation.

The DataRunner Series includes a selection of configurable models, allowing users to select options that best match their printing and finishing requirements.



Specification:

Basic configuration:	Roll to Roll
Limited modularity:	from 2 to 16 heads
Duplex capability:	for 1-Up and 2-Up
Dryer:	1 or 2 full width drum dryer
Minimum web wide:	200 mm (8")
Maximum web wide:	520 mm (20.5")
Weight of material:	coated or uncoated 55 – 163 gr/m ²
Maximum Roll diameter:	1270 mm (50")
Operating speed:	10 – 150 m/min (25 – 500 fpm)
Highspeed version HS:	10 – 300 m/min (25 – 1000 fpm)
Electrical specifications:	3 x 400 / 480 V, 50 / 60 Hz;
Power transport:	20 kW, 32 kW for HS
Power per Dryer:	35 kW, 70 kW for HS
Interface:	I/O (S220) or IPDS
Air connection:	6 bar (87 psi), 3 liter/min
Noise level:	69 dB(A)
Floor load:	< 650 kg per pad (< 1300 lb per pad)
Ambient temperature:	15 – 29 C (60 – 85 deg F)
Relative Humidity, operating:	60-85 deg F (15-29°C) @ 30-60% RH
Agency compliance:	CE; UL, CSA (in progress)

Unwind unit:

Unwind direction:	both direction
Unwind tension:	adjustable 80 – 150 N (18 – 34 lb)
Sensors:	"end of roll" and "web break"
Air shaft size:	70 mm; 76 mm (3"); other
Automatic web guide:	2 edge sensors
Dimension:	2200 x 1400 x 1500 mm (87" x 55" x 59")
Weight:	1100 Kg (2425 lb)

Rewind unit:

Ironing arm for better roll quality	
Rewind direction:	both direction
Rewind tension:	adjustable 80 – 150 N (18 – 34 lb)
	Automatic taper
Sensors:	"full roll" and "web break"
Air shaft size:	70 mm; 76 mm (3"); other
Dimension:	2000 x 1400 x 1500 mm (67" x 53" x 56")
Weight:	1100 Kg (2425 lb)

Print unit:

Web tension:	adjustable between Infeed / Outfeed Closed loop control with $< \pm 3\%$
Sensors:	“web width” and “web break”
Basic head mounts:	upgradeable to 16 heads
Shortest print head spacing:	286 mm (11 ¼”)
Tach roller:	direct at the print head
Number of tach rollers:	2, 3 or 4
Cue mark sensor:	closest to print head
Print register:	80% $< \pm 0.6$ dot (both direction)
Turn bar:	low friction, with own air supply, horizontal integrated for better operability
High performance Drum Dryer:	diameter 400 mm, 32 kW reads paper surface temperature
Drying temperature:	temperature adjustable from 40 – 130 C (104 – 266 deg F)
Dimension with 5 heads:	2000 x 1400 x 1500 mm (78.5” x 55” x 59”)
Dimension with 8 heads:	3000 x 1400 x 1500 mm (118” x 55” x 59”)
Dimension with 16 heads:	6000 x 1400 x 1500 mm (236” x 55” x 59”)
Weight:	650 Kg (1433 lb) for 4 heads / 1 Drum 980 Kg (2160 lb) for 8 heads / 2 Drums

Options:

Fanfolder
Variable size sheeter with pile stacker
Decurler (recommended in conjunction with sheeter)
Perf station for “selective perforation”
Line hole perf station (1-Up or 2-Up)
Slit unit
additional Air shaft 70mm, 76mm (3”) or 200 mm (8”)
Web cleaning device
Web video (Basic model)
UV-Varnish station for spot varnish
IPDS-Interface