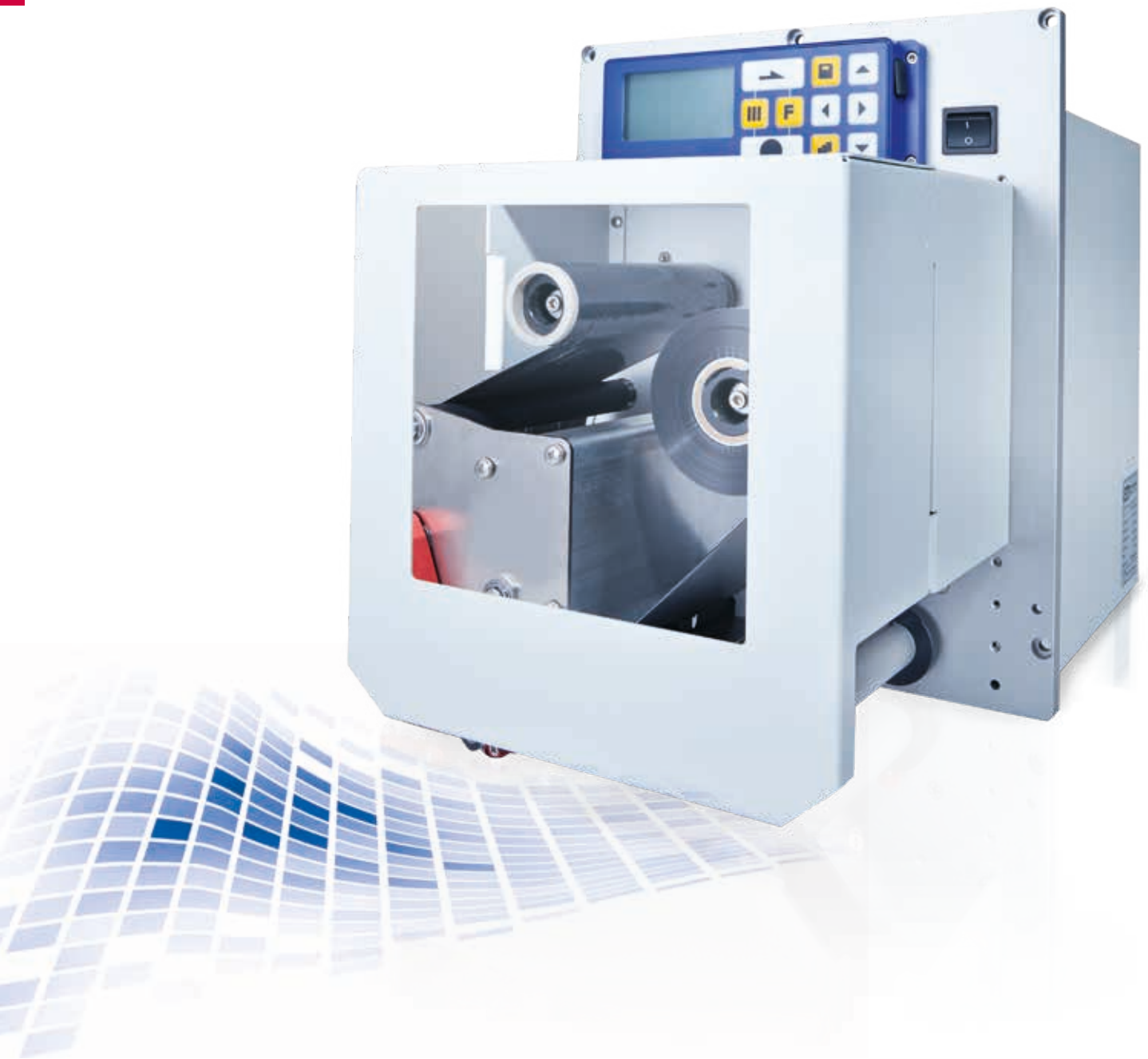# SPX II

The print module for highest demands.

SPX II –
Printing at high speed.

With the SPX II print module labels, textiles and plastic materials can be printed on with a high resolution both in the dispensing mode and continuous mode. Due to its detachable and mobile control unit, the print module can be easily integrated into almost any packaging system. In addition to the current printheads for thermal transfer printing, durable printheads are offered in particular for thermal direct printing.

The print module designed for high-speed applications with a high throughput of labels are particularly suited for printing and application systems such as mail sorting systems, pallet labelling and labelling of electronic components. In the development process of the SPX II series, great attention was paid to ensure that both housing and printing mechanics are made of high-quality materials and thus guarantee a high level of reliability, even under harsh operating conditions.

Right and left version

The SPX II high-performance print modules are pure printing systems to be integrated into existing labelling systems. The module prints and dispenses in every installation direction and was developed particularly for labelling round-the-clock. All models of the SPX II print module are available in both versions: right and left.

Powerful ports

The print modules of SPX II series are equipped with four efficient internal standard interfaces. In addition to a serial, parallel and USB interface an internal LAN interfaces for network connection is available. For wireless data transmission the printer can be equipped with a WLAN interface optionally. Moreover a USB host for connection of a USB keyboard or a memory stick is integrated at the control unit.

Stainless steel housing

To provide individual industry solutions for food, beverage, chemical and pharmaceutical industries and medical engineering etc., the housing of all SPX II devices can, on request, be made of stainless steel which meets the highest of hygiene standards.

Pneumatic spring

In the housing cover, a damping mechanism has been integrated to avoid unintentional closing and/or opening of the cover. When folded open, the cover is cushioned for a soft end stop. Adjacent components are protected from damage.

	SPX II 103/8	SPX II 104/8	SPX II 106/12	SPX II 106/24	SPX II 108/12	SPX II 162/12
Printing						
Print resolution	203 dpi	203 dpi	300 dpi	600 dpi	300 dpi	300 dpi
Print speed	max 300 mm/s	max 300 mm/s	max 300 mm/s	max 100 mm/s	max 300 mm/s	max 200 mm/s
Print width	max 104 mm	max 104 mm	max 105.7 mm	max 105.7 mm	max 108.4 mm	max 162.2 mm
Passage width	max 116 mm	max 116 mm	max 116 mm	max 116 mm	max 116 mm	max 176 mm
Printhead	Flat Type [1]	Flat Type [2]	Flat Type [2]	Flat Type [2]	Flat Type [1]	Flat Type [1/2]
Labels						
Adhesive labels, continuous labels	paper, cardboard, textile, synthetics					
Material weight	max 220 g/m² (larger on demand)					
Label width	min 25 mm	min 25 mm	min 25 mm	min 25 mm	min 25 mm	min 50 mm
Label height	min 15 mm	min 15 mm	min 15 mm	min 15 mm	min 15 mm	min 15 mm
Label height	max 6000 mm	max 6000 mm	max 3000 mm	max 750 mm	max 3000 mm	max 2000 mm
Label sensor	transmission					
Transfer ribbons						
Ink	outside or inside					
Core diameter	25.4 mm / 1"					
Roll diameter	max Ø 90 mm					
Length	max 450 m					
Width	max 110 mm . max 170 mm (SPX II 162)					
Fonts						
Font types	6 bitmap fonts ׀ 8 vector fonts/TrueType fonts ׀ 6 proportional fonts ׀ more fonts on demand					
Bar codes						
1D bar codes	CODABAR, Code 128, Code 2/5 interleaved, Code 39, Code 39 extended, Code 93, EAN 13, EAN 8, EAN ADD ON, GS1-128, Identcode, ITF 14, Leitcode, Pharmacode, PZN 7 Code, PZN 8 Code, UPC-A, UPC-E					
2D bar codes	Aztec Code, CODABLOCK F, DataMatrix, GS1 DataMatrix, MAXICODE, PDF 417, QR Code					
GS1 bar codes	GS1 DataBar Expanded, GS1 DataBar Limited, GS1 DataBar Omnidirectional, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Truncated					
Dimensions						
width x height x depth	245 x 300 x 400 mm	245 x 300 x 400 mm	245 x 300 x 400 mm	245 x 300 x 400 mm	245 x 300 x 400 mm	245 x 300 x 460 mm
Weight						
Weight	12 kg	12 kg	12 kg	12 kg	12 kg	14 kg
Acoustic emission (distance 1 m)						
Average sound power level	66.4 dB(A)	62.3 dB(A)	63.7 dB(A)	68.4 dB(A)	67.8 dB(A)	65.1 dB(A)
Interfaces						
Serial	RS-232C (max 115,200 baud)					
Parallel	Centronics (SPP)					
USB	2.0 High Speed Slave					
Ethernet	10/100 Base T, LPD, RawIP-Printing, DHCP, HTTP, FTP					
WLAN (option)	802.11 b/g/n module WEP, WPA, WPA-PSK, WPA2, WPA2-PSK, EAP					
2 x USB Master	connection for USB keyboard and memory stick					
Operating conditions						
Nominal voltage	110 … 230 V AC / 50 … 60 Hz					
Power	275 VA					
Current	2,5 A					
Fuse values	2x T5A 250V					
Operating temperature	5 … 35 °C					
Relative humidity	max 80 % (non condensing)					

[1] = Flat Type for thermal direct . [2] = Flat Type for thermal transfer

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