SPE II
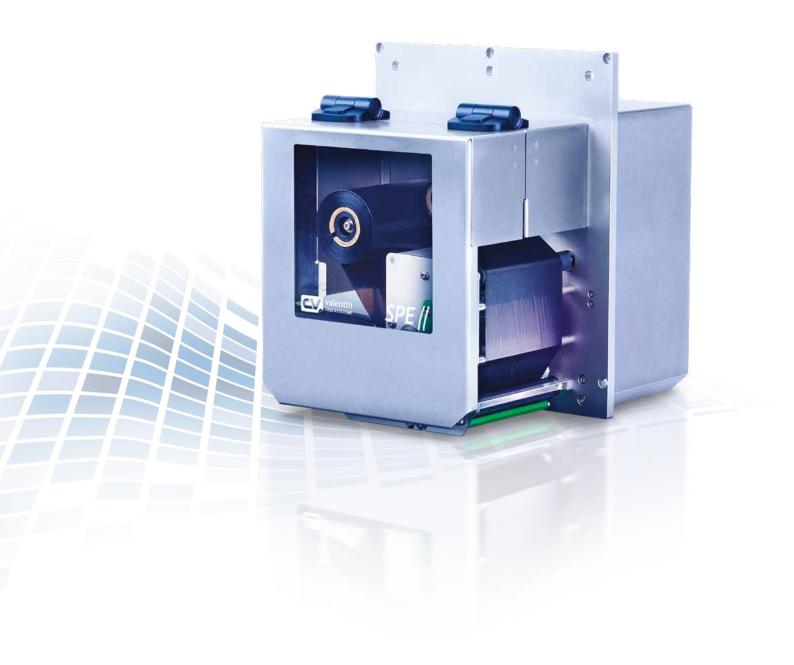
Robust Industrial Printing System

SPE II
Fast and robust for maximum performance.

The feature of the SPE II print module is its modular and sturdy design. Developed for industrial continuous operation, it can be used in almost all cases of label marking. Whether as a Print & Apply solution in conjunction with a pneumatically controlled label applicator or as a printing system mounted on a label dispenser - the SPE II is easy to integrate into automated processes.

Numerous options support this, such as the distributor box for connecting additional components or the signal light as advance warning for approach of end of the label and transfer ribbon. The optimised transfer ribbon significantly reduces costs and contributes to sustainable material consumption.

Thanks to a high print resolution of up to 600 dpi at an extremely fast print speed of up to 350 mm/s and the modern touch operation, the SPE II is a popular universal device in the label printing and dispensing sector.

Electronic control unit as panel or desktop enclosure

The 7" touch colour display with graphical user interface is easy to use with a print preview to check the layout. With an angle bracket, the control unit (panel enclosure pictured right) can be mounted nearly anywhere. The optional desktop enclosure (pictured left), also with touch screen, with additional front USB input and on-off switch, stands on four non-slip rubber feet.
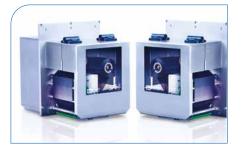
Splash water protection IP65

The electronic control unit as panel enclosure achieves protection class IP65 with the optional protection cover in accordance with DIN EN 60529 („dust-tight and protected against jet water from any angle"). The control unit therefore does not have to be covered when cleaning the machine.

Ingenious enclosure concept

The stainless steel enclosure is hygienic and easy to clean and meets the high requirements for industry solutions in the food, beverage, chemical, pharmaceutical and medical technology industries. Integration with different machines is very easy - with only one connecting cable and one space-saving flexible cable routing in all directions.

Right and left design version

The SPE II high-performance print module can print and dispense in both vertical and horizontal mounting positions and has been specially designed for labelling in continuous operation. All models in this series are available as right-hand and left-hand versions.

	SPE II 106/12	SPE II 106/24	SPE II 107/12	SPE II 108/12	SPE II 160/12	SPE II 162/12
Printing						
Print resolution	300 dpi	600 dpi	300 dpi	300 dpi	300 dpi	300 dpi
Max print speed	350 mm/s	100 mm/s	350 mm/s	350 mm/s	300 mm/s	300 mm/s
Max. print width	105.7 mm	105.6 mm	106.6 mm	108.4 mm	160 mm	162.6 mm
Passage width	116 mm	116 mm	116 mm	116 mm	176 mm	176 mm
Printhead	Flat Type	Flat Type	Corner Type [1]	Flat Type	Corner Type [1]	Flat Type
Labels						
Labels, continuous rolls or fan-fold	paper, cardboard, textile, synthetics					
Material weight	max 220 g/m² (larger on demand)					
Min label width	25 mm					50 mm
Min label height	15 mm					
Max label height	3000 mm	750 mm	3000 mm	3000 mm	2000 mm	2000 mm

Label sensor
  Standard
  Option
	transmission
	transmission and reflexion from bottom, transmission and reflexion from top, ultrasonic photocell					

Transfer ribbon						
Ink	outside / inside					
Core diameter	25.4 mm / 1"					
Roll diameter	Ø 90 mm					
Ribbon length	450 m					
Ribbon width	110 mm				163 mm	170 mm
Fonts						
Font typeds	6 Bitmap fonts Ⅰ 8 Vektor fonts / TrueType fonts Ⅰ 6 proportional fonts Ⅰ other 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					
Composite 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)						
Print mechanics	245 x 300 x 317 mm				245 x 300 x 377 mm	
Control unit	Panel enclosure: 314 x 230 x 80 mm (without connection lines) Desktop enclosure: 287 x 127 x 250 mm (without connection lines)					
Weight						
Print mechanics	11 kg				13 kg	
Control unit	Panel enclosure: 5.5 kg (without connection lines) Desktop enclosure: 4.5 kg (without connection lines)					
Connection cable	0.85 kg (print mechanics - control unit)					
Acoustic Emission (measuring 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 (up to 115,200 Baud)					
USB	2.0 High Speed Slave					
Ethernet	10/100 Base T, LPD, RawIP-Printing, DHCP, HTTP, FTP					
2 x USB Master	Connection for external USB keyboard and memory stick					
Operation data						
Power supply	100 … 240 V AC / 50 - 60 Hz					
Power consumption	400 VA					
Nominal consumption	4 … 2 A					
Fuse values	2 x T4A 250 V					
Temperature	5 … 40 °C					
Humidity	max 80 % (non condensing)					

[1] = Transfer ribbon saving

Ribbon save

Thermal printhead

Config Tool

Labelstar Office

NiceLabel

valentin
DRUCKSYSTEME