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PEEL
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UDI
READY

LIFESCIENCE 4.0
hm 5000 DC-VI PrintPak med

V.1.1

hm 5000 DC-VI PrintPak med

PRINTING ON THE CLEAR SIDE OF SEALABLE PACKAGING IS FINALLY POSSIBLE

hm 5000 DC-VI PrintPak med

The rotary sealing system hm 5000 DC-VI PrintPak med has been developed for the special requirements of the medical and pharmaceutical industry (LifeScience). It guarantees a GMP-compliant sealing quality and, with its new, integrated InkJet printer, reliably accompanies you into the future of product labeling.

GREENTEK

Wipe resistant ink and precise print image

UDI — READY FOR THE FUTURE.

With PrintPak med you are perfectly prepared for the future of UDI medical device labelling. The unique product identifier (UDI) by means of a numeric or alphanumeric code enables unique identification of medical devices on the market, facilitates their traceability, prevents plagiarism and thus improves overall patient safety.
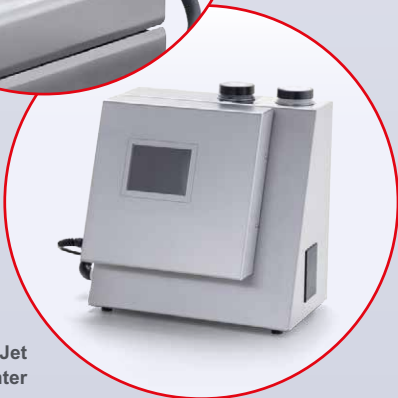
The hm 5000 DC-VI PrintPak med rotary sealer with integrated InkJet print probe combines all UDI-relevant data in a matrix code and prints it directly onto the clear side of the sterile barrier system.

PrintPak med enables flexible data entry by means of:

> **Keyboard**
> **Network**
> **2 D Scanner**
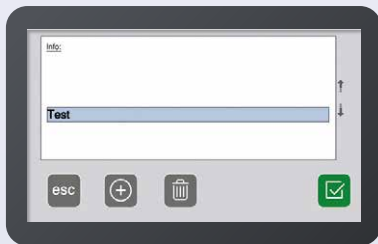> **Matrix Reader**

Integrated InkJet print probe

InkJet Printer

InkJet — FLEXIBLE PRINTING.

The integrated InkJet print probe ensures a razor-sharp print image directly on the transparent side of the sterile barrier system. A fast-drying ink prevents smudging of the print image and ensures the permanent readability of the matrix code. In order to ensure an optimal print result, we recommend adjusting the ink particularly to the material to be used. We will be happy to support you in this regard.

Self configurable main screen

Simple catalogue input with internal on-screen or external keyboard

User friendly and intuitive applications (AppCtrl®)

AppCtrl® – TOUCH SCREEN.

A 7" TFT touch screen and an intelligent controller in connection with the AppCtrl applications allowing to call up device and programming functions, make operation and validation even more comfortable and easy. The main screen can be adapted individually by the user according to his needs. On top of this, the DC-VI PrintPak med is equipped with a HDMI port and can be connected to any commercially available monitor or TV.

DocLink® – COMMUNICATION.

Due to the innovative DocLink communication unit the hm 5000 DC-VI PrintPak med can easily be linked to batch documentation and tracking systems (testing required). It is equipped with four USB and one RS 232 interfaces. An additional Ethernet interface makes the hm 5000 DC-VI PrintPak med network-compatible.

TraceLog® – DIGITAL LOGBOOK.

The hm 5000 DC-VI PrintPak med is equipped with the new hawo TraceLog technology. All actions are recorded and can be viewed if required. If the DataMatic function is activated via a connected USB stick, each action is automatically copied and can then be viewed in a spreadsheet program (e.g. Excel). All data can also be exported via the integrated Ethernet port.

ProTrack® – PROCESS TRACKING

ProTrack is an optional technology for the holistic monitoring of the sealing process over the entire sealing seam length - a technology for highest demands. For each sealing seam the temperature, contact pressure and speed (dwell time) are monitored and recorded on a USB stick. The innovative technology can record up to 1,000 measured values within one seam (additional USB stick required).

UniSeal – UNIVERSAL SEALING SYSTEM.

The innovative rotary sealing system hm 5000 DC-VI PrintPak med is suitable for the process-safe closing of all common sealable, prefabricated sterile barrier systems and medical packaging as well as uncoated Tyvek®[1] and polyolefin packaging. It is equipped with the UniSeal seam technology, which guarantees excellent sealing results for all compatible pouches and tubes. The UniSeal sealing seam has been especially developed for the processing of alumium laminate films and sealable PA/PE pouches and, due to its special structure, prevents air inclusions within the seam, which are typical for these materials. Modified seam structures are available on request.

GreenTek® – SUSTAINABILITY.

Environmental protection and sustainability are not ends in themselves. The hm 5000 DC-VI PrintPak med consistently counts on a resource-efficent design with a completely new type of sealing technology, which only needs a fraction of the energy required by similar devices. The heating works with a highly efficient 24 Volt system which reduces the power consumption to a minimum. The stand-by function and automatic shut-down, when not in use, complete hawo's GreenTek concept – without compromising the quality of the sealing results!

InkTest PRO EU

In combination with the new Triton-X free ink test system InkTest PRO EU, the required routine checks are fulfilled easily and cost-effectively. InkTest PRO EU is also ideal for the testing of side gusset materials.

[1] Tyvek® is a registered trademark of E.I. du Pont de Nemours.

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	hm 5000 DC-VI PrintPak med
SEALING MATERIALS	
Sealable paper pouches according to EN ISO 11607-1/EN 868-4	x
Sealable pouches and reels according to EN ISO 11607-1/EN 868-5 made of film and paper according to EN 868-3	x
Sealable pouches and reels according to ISO EN 11607-1/EN 868-5 made of film and uncoated materials made of polyolefins according to EN 868-9 (e.g. Tyvek®[1])	x
Sealable pouches and reels according to ISO 11607-1/EN 868-5 made of PP fleece or PP nonwoven	x[2]
Peelable pouches PA/PE	x[2][3]
Laminated aluminium pouches	x[2][3]
TECHNICAL DATA	
Validatable process	x
Microprocessor controlled	x
Display	7" TFT graphic colour
Input keyboard	touchscreen (external keyboard/mouse optional)
Integrated dot-matrix printer (for printing on the back of the SBS)	24-dot matrix, single lined, for special characters
Print height dot-matrix printer	4 mm (0,16 inch)
Integrated InkJet printer (for printing on the clear side of the SBS)	x[4]
Print height InkJet printer	12 mm (0.47 inch)
RS 232 connection	x
USB connection	x (4x)
Ethernet connection	x
HDMI connection	x
Sealing speed (dwell)	5-13 m/min (197-512 inch/min) (monitored)
Sealing temperature	max. 210 °C (410 °F) (monitored)
Contact pressure	100 N (factory setting/monitored)
Switch-off tolerance +/- 5°C (DIN 58953-7)	x
Seal distance from the material edge	0-35 mm (0-1.4 inch)
Seal seam width[5]	12 mm ± 0,5 mm (0.5 inch ± 0.02 inch)
Sealing system	UniSeal (knurled seam)
Mains connection	100-240 V, 50/60 Hz
Power consumption	90 W[6]
Dimensions W x D x H	730 x 260 x 225 mm (28.7 x 10.2 x 8.9 inch)
Weight	25 kg (55 lb)
Housing	stainless steel
Cleanroom environment	Testing required[7]
ACCESSORIES	
hawo scanner	x
Label printer	x
Roll conveyor hm 500 RT	x
Tray hm 1000 T	x

[1] Tyvek® is a registered trademark of E.I. du Pont de Nemours. [2] Approval and/or tests necessary.
[3] Printable with InkJet printer [4] Ink must be matched to the material and is not included.
[5] Other sizes optional. [6] The values may vary during the heat-up phase.
[7] It is recommended to install the inkjet printer outside the clean room.