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PATIENT SAFETY 4.0
hm 680 DEI-V

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BAND SEALER FOR THE PACKAGING
OF SEALABLE POUCHES AND REELS (SBS)

hd 680 DEI-V

The validatable rotary sealer hd 680 DEI-V is used for automatic closing of sealable pouches and reels (Sterile Barrier Systems) for the professional packaging of medical instruments in hospitals (RUMED) and healthcare facilities.

CONFORMITY.

The sealing process is validatable in accordance with ISO 11607-2:2019/ISO/TS 16775 and fulfils the requirements of the guideline of the World Health Organisation (WHO) as well as the guideline of the Word Federation for Hospital Sterilisation Sciences (WFHSS).

PROGRAMMING.

The hd 680 DEI-V is easy to operate via its intuitive temperature control. With the optional hawo IntelligentScan technology, all of the device configurations required for all kinds of packaging materials, printing (for optional label external label printer) and staff data can be entered via the hawo barcode scanner. The hawo IntelligentScan technology automatically assigns the scanned-in barcodes to the device functions. A software for the creation of individual scan lists is include. A external label printer can be connected.

hd 680 DEI-V

SAFETY.

Exact temperature control and constant contact pressure and as well as sealing speed (dwell) guarantee reproducible sealing results. The device switches off automatically if the sealing temperature, the contact pressure and the speed (dwell) is out of tolerance.

SEAL STRENGTH.

The special hawo SealPeak sealing seam is a 12 mm wide flat seam that have a barrier with excellent stability in their centre. The seal stability increases constantly from the outsides towards the SealPeak. These soft edges have the advantage that instruments do not break out at the edges, but instead press gently into the seam and are caught by the SealPeak in the centre. SealPeak sealing seam also have excellent peeling properties without paper shredding, even if the user peels the pack open in the wrong direction. Seal Peak sealing technology is also is ideal for gusseted materials.

COMMUNICATION.

The hd 680 DEI-V can easily be linked to batch documentation and tracking systems via the RS 232 interface.

PACKAGING LABELLING AND DOCUMENTING SYSTEM.

The hd 680 DEI-V can be extended to a packaging labelling and documenting system with the optional 2-D barcode scanner (IntelligentScan Technology) and a label printer. Regardless of whether it's sealable pouches or reels, wrappable sterilization sheets or reusable containers, this system assists medical professionals meet the packaging inspection and labelling requirements. No additional computer peripheral equipment is required to scan important packaging information and print it onto a label.

FLEXIBILITY.

Thanks the SealPeak technology the hd 680 DEI-V is suitable for packaging sealable paper bags (EN ISO 11607-1/ EN 868-4), sealable pouches and reels (EN ISO 11607-1/EN 868-5) made of film and paper according to the EN 868-3, sealable pouches 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], as well as sealable pouches and reels according to ISO 11606-1/EN 868-5 made of PP fleece or PP nonwoven.

InkTest PRO | PRO HDPE | PRO PLUS

Using the innovative test systems InkTest PRO, InkTest PRO HDPE (red, for Tyvek®[1] / plastic materials) or the new InkTest PRO PLUS (black, for other polyolefine materials) as an easy and cost-efficient way to comply with the required routine checks of the RKI recommendation. InkTest PRO is ideal for checking gusseted materials.

Seal Check MED | HDPE | PP

The Seal Check indicator makes defective areas of the sealing seam visible on the dark indicator strip. hawo Seal Check is not suitable for use with gusseted films. The Seal Check is available for transparent films made of paper/plastic (Seal Check med), for Tyvek®[1]/plastic (Seal Check HDPE) and for polyolefine materials (Seal Check PP).

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SEALING MATERIALS

Sealable paper pouches according to EN ISO 11607-1/EN 868-4	x (suitable for gusseted materials)
Sealable pouches and reels according to EN ISO 11607-1/EN 868-5 made of film and paper according to EN 868-3	x (suitable for gusseted materials)
Sealable pouches and reels according to ISO EN 11607-1/EN 868-5 made of film and uncoated materials made of polyolefine according to EN 868-9 (e.g. Tyvek®)[1]	x
Sealable pouches and reels according to ISO 11606-1/EN 868-5 made of PP fleece or PP nonwoven	x[2]

TECHNICAL DATA

Validatable process	x
Microprocessor controlled	x
Display	7 segment LED
Input keyboard	single keys
Automatic start of motor by photocell	x
Energy-saving function device with stand-by	1 - 60 min
RS 232 connection	x
Sealing temperature	max. 220 °C (428 °F) (monitored)
Contact pressure	80 - 120 N (monitored)
Sealing speed monitored	x
Switch-off tolerance	+/- 5°C (DIN 58953-7)
Seal distance from the material edge	0 - 35 mm (0 - 1.4 inch)
Seal seam width	12 mm (0.5 inch) SealPeak
Mains connection	100/115/230 V 50/60 Hz
Power consumption	390 W
Dimensions W x D x H	510 x 255 x 145 mm (20.0 x 10.0 x 5.7 inch)
Weight	13 kg (28.7 lbs.)
Housing	Stainless steel AISI 305

ACCESSORIES

hd 650 T tray: 630 x 285 x 55 mm (23.8 x 11,2 x 2.2 inch)	x
hm 1000 T tray: 850 x 280 x 60 mm (33.5 x 11.0 x 2,4 inch)	x
hm 500 RT roll conveyor: 830 x 280 x 60 mm (32.7 x 11.0 x 2.4 inch)	x
hawo scanner	x
Label printer ValiPrint	x

[1] Tyvek® is a registered trademark of E.I. du Pont de Nemours.
[2] Approval and/or tests necessary.

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