

hako



PATIENT SAFETY 4.0

hm 8000 AS/AS-V SealCut

V.2.1

hmo 8000 AS/AS-V SealCut

POUCHMAKING MACHINE FOR THE
AUTOMATIC PRODUCTION OF
FLAT AND GUSSETED POUCHES.

hm 8000 AS/AS-V SealCut

To deliver maximum flexibility and cost-effectiveness, havo has developed a fully automatic pouchmaking machine, known as the hm 8000 AS/AS-V SealCut (V=validatable). This innovative machine combines a film reel dispenser and a heat sealer to automatically produce sterile goods pouches from standard reels in the required quantity and length. The material consumption is kept to a minimum, since the pouch length can be determined on a customised basis. With an output of up to 4,800 bags per hour and compact dimensions, this machine is at the top of its device class.¹



¹Based on 6 reels, sealing time 1 sec., pouch length 100 mm / 4 in



Sealing of pre-formed sterile barrier systems

hm 8000 AS/AS-V SealCut (V=validatable)

Regardless of whether flat or gusseted reels made from paper/plastic or Tyvek^{®2}/plastic are used, the material consumption is kept to a minimum, since the pouch length can be determined on a customised basis. The small footprint of 74 cm / 29 in and the fact that no inlet or outlet area is required on either side means that the device can be used in even the smallest of spaces.

HIGH PRODUCTIVITY.

The high production rate, which results from up to 13 cycles per minute (over 700 cycles per hour), allows film pouches to be produced cost-effectively. The extremely wide reel holder can support up to six reels of film, all of which can be used simultaneously. The machine can therefore produce up to 4,800 pouches an hour¹. In seal-only mode, the pre-made pouches are conveniently sealed after filling.

ERGONOMIE.

Work processes in the preparation of instruments should be as simple and comfortable as possible. That's why the unit is aligned for the ideal utilization of the work area. Maintenance is reduced to a minimum; worn parts are easily replaceable. The low energy consumption of just 200 watts highlights the excellent economy of the hm 8000 AS/AS-V SealCut pouchmaking machine (hawo GreenTek). Additionally it has an automatic start and standby function.

² Tyvek[®] is a registered trademark of E.I. du Pont de Nemours



SizeMatic Scale

SizeMatic SCALE.

Thanks to this innovative technology, sterilisation pouches that are too long or too short are a thing of the past, since the optional scanner and SizeMatic Scale allows the length of an instrument, followed by the required number of pouches, to be scanned in. The ideal pouch length is then calculated automatically. SizeMatic also takes into account all the safety distances required by applicable standards. This function is only available in the automatic pouch production device hm 8000 AS/AS-V SealCut.

FUNCTIONALITY.

Operation and configuration are performed either via the integrated keypad or optionally using the innovative hawo IntelligentScan system. Different formulars can therefore be pre-programmed and changed with just a 'scan' (e.g. pouch length 30 cm / 12 inch, sealing temperature 190 °C / 375 °F, sealing time 2 sec.). In the variable distance mode (VSD mode) the sealing edge can be adjusted from 10 - 50 mm (0.4 - 2.0 inch).

An optional label printer can be connected for labelling and documentation purposes. The devices can also be connected to existing batch documentation systems using standard RS 232 and USB interfaces.

The following processing modes can be set:

- > **production mode:** Pouch sealed on 3 sides are produced completely automatically.
- > **seal only mode:** Pre-produced pouches can be sealed on the fourth side after filling.
- > **cutting mode:** Pouches are precut and not sealed.



Optional sorting module
hm 8000 SD (flexibly adjustable)

hm 8000 SD

OPTIONAL SORTING MODULE.

Another of the device's advantages is its ability to sort the pouches. The hm 8000 AS/AS-V SealCut can sort the finished pouches by size, conveniently remove them, finish them, bag them or shrink-wrap them. You also have the option of adding a hm 8000 SD sorting module to the device.



Perfect sorting with flexible compartments

hm 8000 WST WELL-ORGANISED.

The new mobile and modular hm 8000 WST workstation offers the perfect workstation for the fully automatic production of film pouches.

- > Desk with manual height adjustment from 700 to 950 mm
- > Pillars on the side for hanging height-adjustable consoles
- > Four castors, two of which can be locked
- > Chrome-plated steel
- > Height-adjustable basket with flexible compartments for the flexible sorting of produced pouches in production mode
- > Hanging attachment for scanners
- > Resting area for scanners
- > Attachment option for scanning lists and SizeMatic Scale



InkTest PRO | PRO HDPE | PRO PLUS

Using the innovative test systems InkTest PRO InkTest PRO HDPE (red, for Tyvek^{®2}/ plastic materials) or the new InkTest PRO PLUS (black, for other polyolefine materials) is 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^{®2}/plastic (Seal Check HDPE) and for polyolefine materials (Seal Check PP).



hm 8000 AS/AS-V

SEALING 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

Productivity	up to 13 cycles/min (>700 Cycles/hour) depending on the pre-adjusted sealing time up to 4,800 pouches/hour ³
Adjustment quantity of pouches	1 - 1,000
Adjustment pouch lengths	100 - 2,500 mm (4 - 98 inch)
Width roll holder	420 mm (16.5 inch)
Validatable process	hm 8000 AS-V
Mains connection	100-240 V, 50/60 Hz
Power	200 Watt ⁴
Dimension w x d x h	740 x 355 x 240 mm (29.1 x 14 x 9.5 inch)
Weight	29 kg (64 lb)
Housing	stainless steel
Seal seam width	12 mm ± 1 mm (0.5 inch ± 0.04 inch)
Distance to medical device (ISO/TS 16775)	30 mm (1.2 inch)
Reel holder (incl. 2 reel fixation sets hm 8000 RF)	x
Variable sealing distance	5 - 50 mm (0.2 - 2.0 inch) ⁵
Computer interface	USB A/B, RS 232
hawo IntelligentScan ⁶	x
LCD Display	x
Sealing temperature	max. 220 °C (428 °F) (monitored)
Contact pressure	fix (hm 8000 AS-V: monitored)
Sealing time	0.5 - 10.0 s (hm 8000 AS-V: monitored)
Overheating protection	x

ACCESSORIES

hawo IntelligentScan hs 980 BR	x
ValiPrint label printer	x
Sorting unit hm 8000 SD	x
Reel holder fixation set hm 8000 RF (2 fixing units in one set)	x
Banding machine hm 8000 BM	x

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

² Approval and/or tests necessary.

³ Based on 6 reels, sealing time 1 sec., pouch length 100 mm (4 inch).

⁴ The values may vary during the heat-up phase.

⁵ From serial number 531199.

⁶ Optional scanner needed.

Technical modifications reserved

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