ASP™

PATIENT SAFETY 4.0
HS 2000

New
HDMI
INTERFACE FOR TV
CONNECTION

ASP GreenTek

™ → SUSTAINABILITY

Environmental protection and sustainability are not ends in themselves. Hawo has consistently focused on resource-efficient design with their innovative sealing technology, that only needs a fraction of the energy required by similar devices. The heating reaches the operating temperature in record time and works with a highly-efficient 24 volt system reducing power consumption to a minimum.

The stand-by function and automatic shut-down, when not in use, complete the hawo's Green-Tek concept. With the **HS 2000** all of this is offered without compromising the quality of the sealing results.

VALIDATABLE ROTARY SEALER WITH TOUCH SCREEN FOR PACKAGING OF SEALABLE POUCHES AND REELS

→ HS 2000

This highend heat sealer surpasses all its predecessors, offering smart operation, comprehensive digitisation, networkability and sustainability, reflecting the spirit of industry 4.0. The design of the NanoPak is based on the award-winning design of hawo's Generation Easy series.

Hawo designed these sealers to meet the highest standards, in terms of professionalism, aesthetics and solidity, as required in surgeries and RUMED's (CSSD's / SPD's) in hospitals while always conforming to the strictest safety guidelines.

System Ordering Information		
Product Code	Description	Packaging
0.617.356	HS 2000 ROTARY BAND SEALER	1 sealer

New
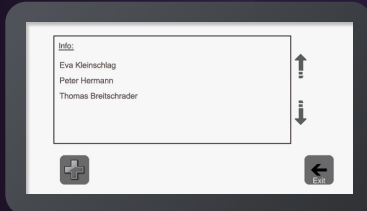**SOFTWARE 4.0**
the most userfriendly and intuitive version

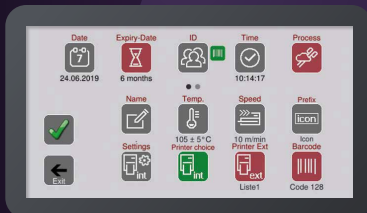On Youtube you will find detailed tutorials for each device function (e.g. user input)

Self configurable main screen

Simple catalogue input with internal on-screen or external keyboard

User friendly and intuitive applications (AppCtrl)

→ VeriDoc

AppCtrl – TOUCH SCREEN

A 4,3 inch touch screen and an intelligent controller together with the AppCtrl user applications allowing to call up instrument and programming functions make operation and validation child's play. The main screen can be adapted individually by the user according to his needs. The newest generation (from 2020) is equipped with an HDMI port and can be connected to any commercially available monitor or TV via an HDMI cable. Via the optional hawo scanner data can be scanned (eg. Article numbers, LOT)

DocLink – COMMUNICATION

Due to the innovative DocLink communication unit HS 2000 can easily be linked to batch documentation and tracking systems. DocLink has four USB A and one RS 232 interfaces. An additional Ethernet interface makes NanoPak network-compatible.

TraceLog – DIGITAL LOGBOOK

NEW: The HS 2000 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 conneted USB stick, each action is automatically copied and can then be viewed in a spreadsheet program (e.g. Excel).

ValiUp – VALIDATION

HS 2000 has been fitted with the new system-integrated function to determine the optimum sealing temperature during process validation (ValiUp). This innovative tool complies exactly with the pre-set process of the international Guidance on the application of ISO 11607-1 and ISO 11607-2 (CEN ISO/TS 16775[1]).

VERIDOC

Optional documentation and labelling system for safe and professional reprocessing of medical devices. With the ValiScan barcode scanner, (hawo IntelligentScan technology) data is transmitted to the ValiPrint label printer and printed. No additional computer peripheral equipment is required to record important packaging information and print it onto a label. The labels can be used for sealable pouches and reels, wrapped sets or reusable containers.

System Ordering Information		
Product Code	Description	Packaging
1.421.030	ValiPrint label printer	1 each
1.421.029	ValiScan barcode scanner	1 each

Label Ordering Information		
Product Code	Description	Packaging
6.812.069	Label H_2O_2 indikator	55x33mm, 1000pc/roll
6.812.070	Label steam indikator	55x33mm, 1000pc/roll
6.812.067	Label steam/fo indikator	55x33mm, 1000pc/roll
6.812.068	Label steam/eo indikator	55x33mm, 1000pc/roll

[1] Types of packaging for the end-packaging of sterilised medical products – Guide manual for the application of ISO11607-1 and ISO 11607-2.
[2] Tyvek® is a registered trademark of E.I. du Pont de Nemours

FontMatic – PRINTER

The **HS 2000** printer is capable of not only printing the required text information, but it can also print bar codes.

Make your selection via the print application. The FontMatic technology automatically adjusts the font size to match the width of the packaging.

SealPeak – SEAL STRENGTH

For the sealing seam, the proven SealPeak technology is used. hawo SealPeak sealing seams are 12 mm (0,5 inch) wide flat seams with a so called barrier of extremely high solidity at their centre, the SealPeak. The seal strength increases steadily from the edges towards the SealPeak.

The advantage of these soft edges is that the instruments cannot break through the edges, but gently pierce them and are then caught by the SealPeak at the centre. Furthermore SealPeak sealing seams have outstanding peel properties and do not fray, even if the peel direction is disregarded by the user. Obviously **HS 2000** is suitable for the sealing of all known sealable, pre-fabricated sterile barrier systems, uncoated Tyvek®[2], as well as polyolefine packaging.

InkTest PRO EU / EU

Using the innnovative InkTest PRO EU and InkTest EU is an easy and cost-efficient way to comply with the required routine testing of sealing seams as per ISO 11607-1 and ASTM F1929. Any irregularities that occur (e.g. channels) become visible immediately after the single-use InkTest PRO EU cartridge is pressed on. No pipettes or other tools are needed to fill it. There is no danger of the test liquid dripping or transferring onto other objects on your workstation or your clothes and skin. InkTest EU is a classic pipette sealing seams test. Both tests are TRITON-X free.

System Ordering Information		
Product Code	Description	Packaging
6.061.078	Ink Test PRO EU 4-sides test	30 packs á 2mL
6.061.080	Ink Test EU pipette test	75 mL testing solution, 20 disposable pipettes, beaker, docu-sheet, service manual

Seal Check MED | HPDE

Seal Check is designed to give fast test results for routine seal inspection. Seal Check MED (for clear pouches and tubes made from paper / film) and Seal Check HPDE (for clear pouches and tubes made from uncoated Tyvek® / film) come in a package designed especially for ease of use and a reference card for assessing the results.

System Ordering Information		
Product Code	Description	Packaging
6.061.017	Seal Check MED (for clear pouches and tubes made from paper/film)	1 box of 250 test sheets, 1 service manual
6.061.030	Seal Check HDPE (for clear pouches and tubes made from uncoated Tyvek™/film)	1 box of 250 test sheets, 1 service manual

HS 2000 ASP™

SEALING MATERIALS

Sealable paper pouches according to EN ISO 11607-1/EN 868-4	✓ (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	✓ (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])	✓
Sealable pouches and reels according to ISO 11606-1/ EN 868-5 made of PP fleece or PP nonwoven	✓[2]
Peelable pouches PA/PE	✓[2]

TECHNICAL DATA

Type of device	Rotary sealer
Validatable process	✓
Microprocessor controlled	✓
Display	4.3" TFT graphic colour
Input keyboard	touchscreen (external keyboard /mouse optional)
Printout[3]	24-dot matrix, single lined, for special characters
RS 232 connection	✓
USB A connection	4x
Ethernet connection	✓
Connection for label printer	✓
NEW: HDMI connection	✓
Sealing speed (dwell)	5 -13 m/min (197-512 inch/min) (monitored)
Sealing temperature	max. 210 °C (410 °F) (monitored)
Contact pressure	80 - 120 N (monitored)
Switch-off tolerance +/- 5°C (DIN 58953-7)	✓
Seal distance from the material edge	0 - 35 mm (0 - 1.4 inch)
Seal seam width[4]	12 mm (0.5 inch)
Sealing system	SealPeak (hawoflex)
Mains connection	100 - 240 V, 50/60 Hz
Power consumption	90 W[5]
Dimensions W x D x H	565 x 260 x 145 mm (22.2 x 10.2 x 5.7 inch)
Weight	16 kg (35 lb)

[1]Tyvek® is a registered trademark of E.I. du Pont de Nemours.
[2]Approval and/or tests necessary.
[3]It is not possible to print on aluminium laminate film and peelable pouches PA/PE.
[4]Other sizes optional.
[5]The values may vary during the heat-up phase.

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