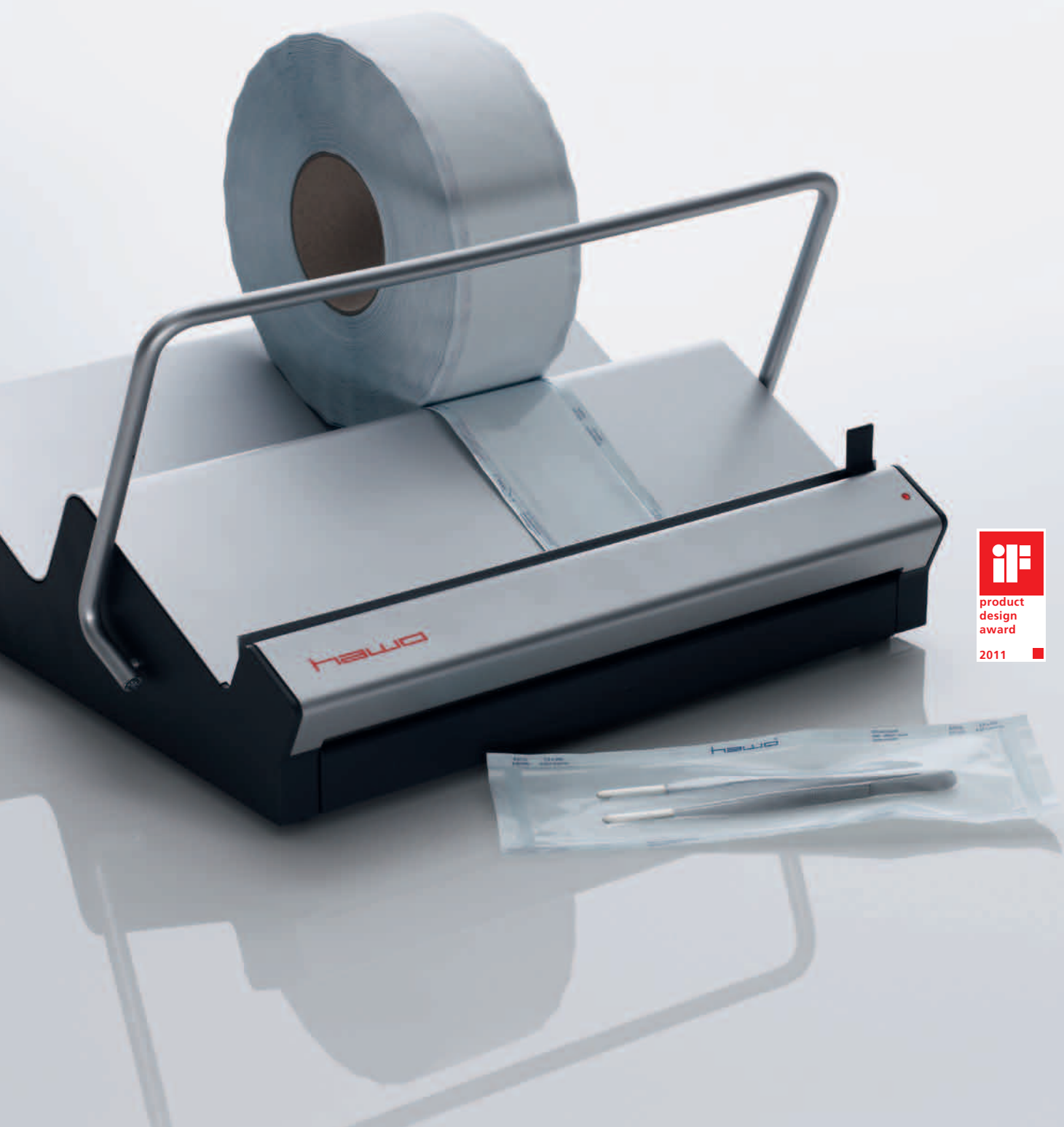


hd 310 WS | hd 320 MS | hd 260/470 MS

THE COMPACT GENERATION EASY BAR SEALERS FOR  
THE PACKAGING OF SEALABLE POUCHES AND REELS



# GENERATION EASY

hawo

THE HD 260/470 MS (IMPULSE), HD 320 MS (IMPULSE) AND THE HD 310 WS (PERMANENTLY HEATED) BAR SEALERS ARE THE MOST COMPACT DEVICES OF THE HAWO PRODUCT LINE. THE DEVICES HAVE BEEN DEVELOPED FOR THE HIGH DEMANDS ON PROFESSIONALISM, AESTHETIC AND SOLIDITY IN DOCTORS' AND DENTISTS' PRACTICES. THE PURIST AND PRACTICE-SUITED DESIGN, THE HIGH QUALITY AND ROBUST MATERIALS AND OBSERVANCE OF THE HIGHEST SAFETY GUIDELINES MAKE THE GENERATION EASY EQUIPMENT THE PERFECT COMPANION FOR DAILY MEDICAL PRACTICE HYGIENE.

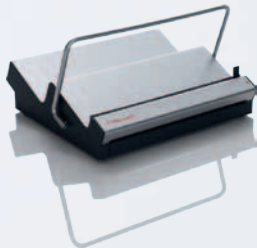




### hd 310 WS

Permanently heated sealer for the sealing of pouches and reels in medical and dental practices.

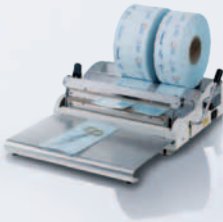
- > Stand-by function: unit turns off after 30 minutes
- > Only 2 minutes heating-up time
- > Only 80 watts of power
- > Maintenance free: no PTFE parts (**GreenTek**)
- > Ergonomic shape (for right and left handers)



### hd 320 MS

Impulse heat sealer for the sealing of pouches and reels in medical and dental practices.

- > No power consumption when not in use
- > Adjustable sealing time (digital)
- > No heating-up time, immediately ready for use
- > Suitable for hot air film
- > Ergonomic shape (for right and left handers)



### hd 260/470 MS

Impulse heat sealer for the sealing of pouches and reels in medical and dental practices as well as in tattoo and piercing studios.

- > No power consumption when not in use
- > Adjustable sealing time
- > No heating-up time, immediately ready for use
- > Suitable for hot air film
- > hd 470 MS: extra wide device for sealing seams up to 450 mm (17.7 in)

### ERGONOMICS

Work processes in the preparation of instruments should be as simple and comfortable as possible. The hd 310 WS und hd 320 MS are therefore sloped towards the user. The work process is in this way eased and a tray is not necessary. The generous handle is ergonomically angled and guarantees an even contact pressure and thereby the maximum sealing safety as well as reproducible and constant sealing results.

### FUNCTIONALITY

Quickly graspable functions and thought through solutions make perfect operation possible. There is room for up to three roll formats side by side. At insertion, the film roll is automatically and exactly positioned. The cutting blade runs in a guiding profile and is securely parked away from the cutting area. In addition, the devices can be fastened to the wall with a special mounting.

### ServiSeal AND SEAL STRENGTH TEST

Regular maintenance can extend the life of your product. The units are cleaned and wear parts are replaced as needed. Then, a functional test and a Seal Check is performed. For the routine monitoring of the seal seam strength in accordance with EN 868-5:2009 hawo offers a peel testing service for seal strength determination including a certificate.

**For more information visit [www.hawo.com/en/service](http://www.hawo.com/en/service).**

# hd 310 WS | hd 320 MS | hd 260/470 MS

**hawo**

TECHNICAL DATA	hd 310 WS	hd 320 MS	hd 260/470 MS
Sealing system	permanently heated	impulse	impulse
Control	Microprocessor	Microprocessor	hd 260: electronic hd 470: Microprocessor
CE- and GS Sign	x	x	x
<b>GreenTek</b>	x		
Sealing time	approx. 2 sec (fix)	approx. 3 – 8 sec (variable)	approx. 3 – 8 sec (variable)
Sealing temperature	approx. 190°C fix (374°F)	variable (impulse)	variable (impulse)
Energy-saving function (stand-by)	x	x	x
Power (max.)	80 W	850 W (during sealing process)	850 W (during sealing process)
Automatic sealing time control	not necessary (permanently heated)	x	x
Seal seam width	10 mm (0.4 in)	8 mm (0.3 in)	8 mm (0.3 in)
Piece counter		x	
Overheat protection	x	x	x
Film width	max. 250 mm (9.8 in)	max. 250 mm (9.8 in)	hd 260: max. 250 mm (9.8 in) hd 470: max. 450 mm (17.7 in)
Seal seam length	max. 250 mm (9.8 in)	max. 250 mm (9.8 in)	hd 260: max. 250 mm (9.8 in) hd 470: max. 450 mm (17.7 in)
Mains connection/frequency	115/230 V, 50/60 Hz	115/230 V, 50/60 Hz	115/230 V, 50/60 Hz
Dimensions W x D x H	420 x 360 x 220 mm (16.5 x 14.2 x 8.7 in)	420 x 360 x 220 mm (16.5 x 14.2 x 8.7 in)	hd 260: 400x310x220 mm (15.7x12.2x8.7 in) hd 470: 555x310x220 mm (21.9x12.2x8.7 in)
Weight	6,5 kg (13 lb)	8 kg (17.3 lb)	hd 260: 8 kg (17.3 lb) hd 470: 11 kg (24.2 lb)
Stainless steel casing cover AISI 304	x	x	x
Sealing materials: EN 868-4 (sealable paper pouches), EN 868-5 (sealable pouches and reels), aluminium-laminate film	x <sup>2</sup>	x <sup>1,2</sup>	x <sup>1,2</sup>
Sealing materials: PLASTERIL™ A/C (Polyamid), thermoplastic film (e.g. PE, PP, PVC)		x <sup>1,2</sup>	x <sup>1,2</sup>
Wall mounting (optional)		x	x

<sup>1</sup> not suitable for gusseted pouches and reels <sup>2</sup> not suitable for Tyvek® (HDPE) pouches and reels . Tyvek® is a reg. trademark of E. I. du Pont de Nemours.

Subject to technical alterations  
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## Seal Check med | hawo InkTest FOR THE ROUTINE MONITORING OF THE SEALING SEAMS.

hawo offers testing systems for the routine testing of the sealing seams as well as for the monitoring of the quality properties during validation and revalidation.



> **hawo Seal Check:** The Seal Check indicator strips for sealable paper/film pouches and reels make deviations visible on the indicator area of the Seal Check.

> **hawo InkTest:** The standardized dye penetration test for testing the seal integrity in accordance with ISO 11607-1, Annex B (ASTM F1929), is distinguished by its simple handling and provides objective results. For this purpose a special test ink is given with a pipette into the pouch or reel. Defects (e.g. channels) become immediately visible.



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