EcoPak Series – Smart, Simple, and Cost-Effective Band Sealing

The **EcoPak Series** was developed with one goal in mind: deliver a pure, efficient, and affordable band-sealing solution tailored to real customer needs. With modular technology and seven unique models to choose from, you get exactly what your workflow requires—nothing more, nothing less. Just straightforward, reliable sealing for safe and consistent packaging.

Next-Generation EcoPak Technology

Experience the evolution of the EcoPak line. The new **EcoPak 06** and **EcoPak 07** models elevate the series with enhanced precision, compact design, and—now for the first time—an intuitive **touchscreen interface** for effortless operation.

Choose Your Ideal Configuration:

EcoPak	GreenTek	Automatic Start	Standby	Validatable Process	PC Interface (RS-232)	USB/DataMatic Function	Ethernet/Wifi	IntelligentScan	Internal Printer	Touch Control
01										
02	x	x								
03	x	x	x	x	x	x		x		
04	x	x	x		x			x	x	
05	x	x	x	x	x	x		x	x	
06	x	x	x	x	x	x	x	x		x
07	x	x	x	x	x	x	x	x	x	x

White or Stainless-Steel Housing

Select the housing that fits your environment:

- **White steel housing** – economical and durable
- **Stainless steel (S)** – ideal for high-hygiene environments and easy cleaning

Sustainability Focus (GreenTek)

If sustainability is a priority, EcoPak has you covered. Models **EcoPak 02–07** carry the **GreenTek** label, featuring:

- Resource-efficient engineering
- Ultra-low energy consumption
- No compromise in sealing quality

Stand-By Mode & Automatic Start

All EcoPak models deliver:

- **160 W** energy-efficient operation
- **10 m/min** sealing speed

For even greater efficiency, choose a version with:

- **Automatic start**
- **Stand-by mode**

Validatable Sealing Process

Need a fully validatable process? Models **EcoPak 03, 05, 06, and 07** monitor and regulate all critical process variables in accordance with **ISO 11607-2**.

Other models offer a cost-effective solution for fast, professional sealing of pouches and reels.

Computer Interface Options

For complete process documentation, select a model with integrated connectivity:

- **RS-232** interface (standard on select models)
- **EcoPak 06 & 07** include:
  - 2 × RS-232
  - 2 × USB-A
  - 1 × Ethernet

Perfect for seamless integration into digital workflows.

Integrated Printer

Skip the labels. EcoPak models with built-in printers can mark sterile barrier systems directly with:

- Operator name/ID
- Expiry or sterilization date
- LOT number
- And more

Printed directly onto the porous material—outside the sealing seam.

Intelligent Scan Ready

Avoid manual data entry with **Intelligent Scan-ready** models. Using the optional **hm 980 barcode scanners**, you can:

- Create custom scan lists
- Preload temperature settings and configurations
- Ensure fast, secure, error-free setup

Easy, Intuitive Operation

- **EcoPak 01–05:** Clear, modern LCD display
- **EcoPak 06 & 07:** Full touchscreen interface for the most user-friendly configuration experience in the series

Safe Packaging Matters

Proper reprocessing of medical devices requires:

1. Washing & disinfection
2. Packaging
3. Sterilization

Sterilization is only effective when instruments are packaged correctly. Single-use sterile barrier systems—Tyvek® or medical-grade paper with laminated film—must allow sterilant penetration while blocking microorganisms. To ensure sterility up to the point of use, packaging processes must be validated according to:

- **ISO 11607-2**
- **ISO/TS 16775**

Validation requires establishing the optimal sealing temperature and ensuring seals are both strong and peelable.

EcoPak models marked with **"V"** include integrated monitoring and regulation of all critical process parameters, supporting fully compliant, reproducible packaging—even at high volumes.

Technical data sheet

Connection data			
Mains connection		[VAC]	100 – 240 ~
Supply voltage		[VDC]	24 =
Mains frequency		[Hz]	50 / 60
Mechanical system			
Dimensions[1] *Including slot*	Length Width Height	[mm]	610 255 155
Housing			Powder-coated / stainless steel AISI 304
Weight		[kg]	15.0
Sealing distance to edge		[mm]	0 – 35
Sealing seam width		[mm]	12 +/-0.5
Sealing system			SealPeak (hawoFlex)
Sealing seam length		[mm]	Unlimited
Distance to medical product		[mm]	>30 (in accordance with DIN 58953-7)
Process variables/sealing parameters			
Sealing temperature	Max.	[°C]	210
Sealing temperature tolerance		[°C]	± 5
Contact pressure		[N]	100
Contact pressure deactivation tolerance		[%]	± 20
Throughput speed		[m / min]	5 –13
Throughput speed switch-off tolerance		[%]	± 10
Temperature ranges			3
Temperature standard tolerance		[%]	±2
Electronics and communication systems			
System			Microprocessor
Interfaces			2 x RS-232 2 x USB-A 1 x RJ45 Wi-Fi
Transmission speed (baud rate) Serial RS 232 interfaces and Ethernet		[Bd]	9600
Electrical protection class	(in accordance with DIN EN 61140 / VDE 0140-1)		3
Protection class	(in accordance with DIN EN 60529)		IP 20
Environmental parameters			
Ambient temperature		[°C]	+5 to +40
Heat output		[kJ/h]	0.1
Relative humidity	Max.	[%]	80 non-condensing
Noise intensity in accordance with the Machinery Directive 2006/42/EC Appendix I 1.7.4.2 (u.)		[dB/ A]	<45 +/- 1.0
Power consumption combined		[W]	67.5 - 90 W[2]
Power consumption in normal operation		[W]	27 - 32 W[2]
Max. noise development		[db]	65

[1] Depending on temperature setting; may vary during heat-up phase (280.02 W max.)
[2] Depending on temperature setting; "normal opration" assumes 25% operating mode and 75% Standby + mode

van der stähl
SCIENTIFIC

Connecting medical device packaging to patient safety.
Call Customer Care: 800-550-3854