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# Sigpack RA/HCM

A turnkey solution from  
 Bosch Packaging Systems



Sigpack **RA**

- ▶ Controlled and reliable product transport
- ▶ Integrated 100% inline weight control
- ▶ Reliable interface

- ▶ Dosing system fulfilling highest demands
- ▶ Patented dosing technology
- ▶ Sealing quality responding to highest pharmaceutical requirements
- ▶ Good access for operating and cleaning

As a leading supplier for packaging technology, product handling and robotics, Bosch Packaging systems is engaged in the pharma and healthcare, food and non-food industry.

We are proud of serving customers around the world, who trust in our machines and systems to pack their products.



**Watch us on You Tube!**

Scan the code with your barcode scanner app and follow the link.

[www.youtube.com/BoschPackaging](http://www.youtube.com/BoschPackaging)



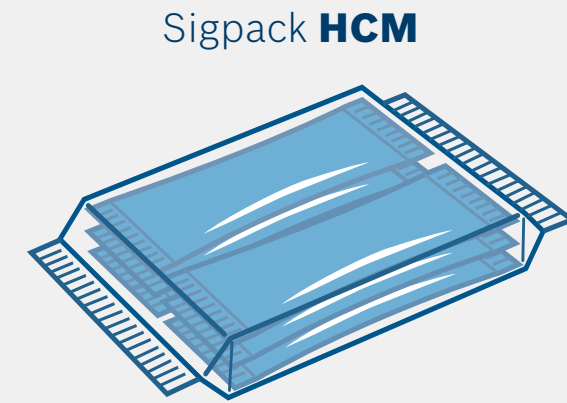
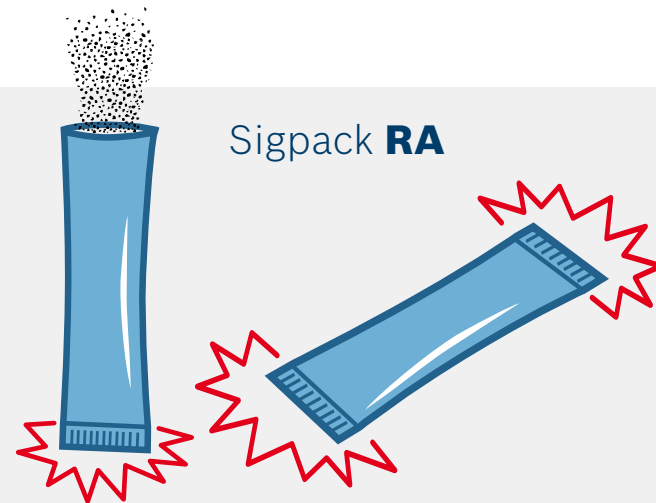
Sigpack **HCM**

- ▶ Easy to use
- ▶ Format flexibility
- ▶ Hygienic design
- ▶ Easy to clean
- ▶ High availability
- ▶ Fast changeover



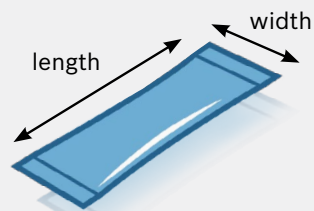
### Options

- ▶ A variety of training platforms available
- ▶ Customized service plans offered
- ▶ Global field-service agreements
- ▶ Spare parts and logistics optimization



### Technical Data Sigpack RA

<b>Sigpack RA</b>	Capacity (according to product- and packaging material features)		
<b>Power Range</b>	up to 1,000 ppm (100 cycles per track per minute)		
<b>Size Range</b>	<b>Pouch width max.*</b>	<b>length min.</b>	<b>length max.</b>
6 tracks	45 mm	60 mm	180 mm
8 tracks	36 mm	60 mm	180 mm
10 tracks	28 mm	60 mm	140 mm
*other dimensions on request			
<b>Packaging material reels</b>			
Width	up to 680 mm	Ø up to 600 mm	Core Ø 70 or 76 mm
<b>Connections</b>			
Control	Siemens S7-400	Connecting power	approx. 31 kVA
Energy consumption	approx. 21 kW	Air supply	approx. 6 bar
<b>Weight of machine</b>	approx. 4.5 tons		



The Sigpack **RA/HCM** is a turnkey solution from Bosch Packaging Systems which achieves maximum packaging speeds and reliability while having a small footprint. Primary packaging into stick packs involves precise dosing on the ten-lane vertical Sigpack **RA** machine. The subsequent secondary packaging process is carried out on the horizontal Sigpack **HCM** flow wrapper. With an output level of 175 packages per minute, the HCM flow wraps up to 1000 stick packs per minute.

Individually AC servo-controlled auger fillers on the Sigpack **RA** ensure a high dosing accuracy for the primary packaging operation. As the density of powder may be subject to fluctuations, individual weighing of each pouch is indispensable. Each stick pack is checked for weight by an inline weighing system. The correct dosing amount is controlled by an electronic tendency control system. This continuous adjustment ensures a consistently accurate filling process. Following the weighing procedure, the stick packs are counted, grouped and conveyed towards the Sigpack **HCM** flow wrapper.

The Sigpack **HCM** is a flow wrap machine featuring easy handling to the end user.

The cantilever design completely separates process and drive units. An ergonomic operating height improves operator access and allows for a direct view into the packaging process. Lifetime-lubricated components also contribute to the line's hygienic design. The machine casing guarantees safety and noise protection. Below the product transport unit, the machine elements are fully visible for a facilitated line clearance.

The essential operating functions such as Start, Stop and Emergency Stop are integrated on the line's front. All other functions are accessible via a pivoting Human Machine Interface (HMI).

The HMI is available in two different specifications for pharmaceutical applications. In addition to the basic version, a second configuration level fully complies with the requirements of 21CFR part 11.

### Technical Data Sigpack HCM

Output	Standard	Optional
	up to 400 ppm	400–600 ppm with technical evaluation
	up to 60 m/min (200 ft/min) film speed	up to 110 m/min (370 ft/min) film speed
<i>Product and film characteristics may affect machine output</i>		
Size Range	Standard	Optional
Package cutoff length	50–500 m (2–20 in)	> 500 mm (20 in) with technical evaluation
Product width	max. 185 mm (7,3 in)	max. 335 mm (13,2 in)
Product height	max. 80 mm (3,15 in)	max. 130 mm (5,12 in)
Web Dimensions	Standard	Optional
Width	max. 400 mm (15,75 in)	max. 700 mm (27,56 in)
Reel diameter	max. 400 mm (15,75 in)	
Core diameter	70 mm (2,76 in)	76 mm (3 in)
Weight	max. 60 kg	Hoisting device on request
Connections		
Voltage	3-phase, 380–480 V, 50/60 Hz	
Power usage	14 kVA / Earth, no zero conductor	
Air	6 bar; 0,03–1 m³/h for faulty package reject and/or air operated gusset folder	
<b>Weight of machine</b>	approx. 2,1 – 2,3 tons (depending on configuration)	