



p-u-l-s-o-t-r-o-n-i-c

Subject to change without notice!
Revision 1902

PV7

Converger

Special features

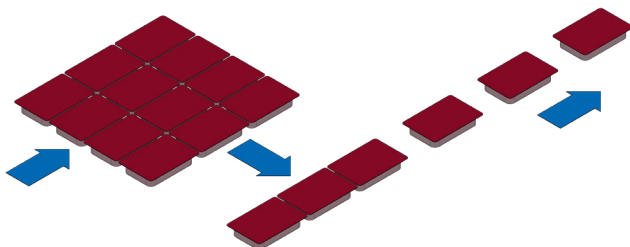
- High speed (17 cycles/min)
- Homogenous product flow (300 products/min)
- Format length up to 1,400 mm
- Tool-free changeover for combinations of patterns
- Integrated transfer belt
- Mono-, combination- and changeover tools
- Empty packaging control and removal
- Integrated bin for empty packs
- Integrated electronic cabinet
- Product rotation
- Compact design
- Open frame design
- Optimal accessibility for cleaning and maintenance
- Standardized machine interface OPCUA



Converger PV7

Description

The converger PV7 is setting new standards in the field of serialization technology. It combines maximum performance with maximum flexibility and process reliability. A special feature is the very homogenous flow of product as a basis for the automatization of inspection and secondary packaging. A huge number of versions and accessory enable flexible and universal usage. The PV7 is compatible with all thermoforming machines. High quality components and good workmanship ensure best reliability and minimal costs for maintenance.





Technical data

Mechanical data		
Dimension	1,470 x 2,000 x 2,300 mm (LxWxH)	
Weight	700 kg	
Packing height	max. 120 mm	
Gripper	Spreading	optional
	Rotary axis	optional
	Working principle	vacuum
	Interchangeable tools	optional (for various pattern)
Infeed conveyor	Height	800 .. 1,000 mm
	Height adjustment	- / manual / automatic
	Fully integrated	yes
	Single track	optional (direct link to cutting unit)
	Interchangeable belts	optional (for several patterns)
	Segmented	optional (for higher output)
Outfeed conveyor	Height	= Height infeed + 10 mm
	Guidance	activ / passiv
	Merge conveyor	optional (for double delivery belts)
	Delivery belt	single / double
Control		
Display & keyboard	9" - 800 x 480 TFT incl. Touch	
Connection		
Operating temperature	0 .. 30°C	
Protection class	IP54	
Electrical connection	400VAC; 16A; 3P+N+PE	
Pneumatic connection	4-6 bar, filtered, water- & oil-free; 1/8" - snap-in couplings	
Network	Ethernet; OPC-UA	
Interfaces	Standard interface for all common thermoforming machines (e.g. Variovac, Weber, Multivac, GEA...)	
Performance		
Capacity	max. 300 products/minute	
Cyclic throughput	max. 17 cycles/minute	
Pattern length	max. 1,400 mm	



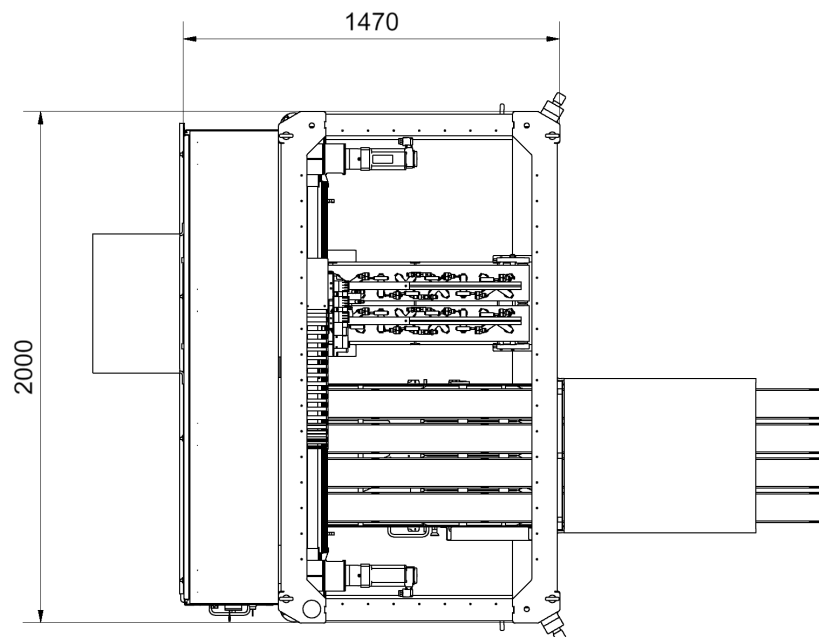
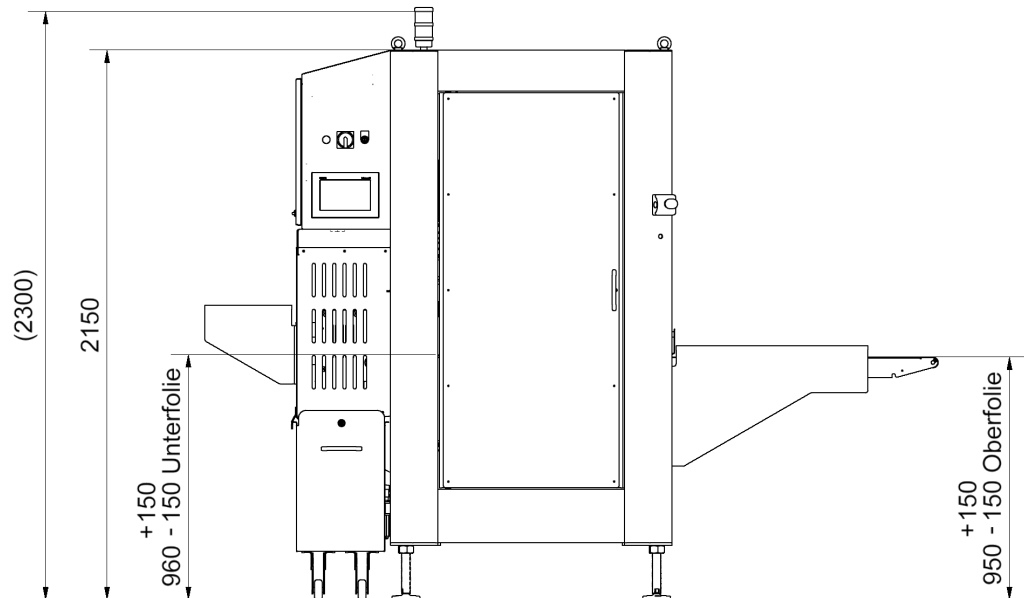
Ordering information

Converger PV7

Option	Order code	Group
	Converger PV7	
	-	
<u>R</u> -Right / <u>L</u> -Left	U	Direction
	-	
Conveyor1 - Number of tracks	Z ₁	Infeed conveyor
Conveyor2 - Number of tracks	Z ₂	
<u>V</u> -Sliding / <u>E</u> -Fix / <u>W</u> -Interchangeable	Z ₃	
Height adjustment <u>A</u> -automatic / <u>M</u> -Manual	Z ₄	
Reserve	Z	
Reserve	Z	
	-	
Number of tracks (<u>1</u> .. <u>6</u>)	W ₁	Tool
Number of gripper segments (<u>01</u> .. <u>24</u> total)	W ₂	
Number of spreadings (<u>N</u> -without / <u>1</u> .. <u>5</u>)	W ₃	
Rotary axis (<u>N</u> -without / <u>1</u> -with)	W ₄	
Interchangeable tools (<u>N</u> -without / <u>1</u> -with)	W ₅	
Reserve	Z	
Reserve	Z	
	-	
Number of sensors (<u>N</u> -without / <u>1</u> ..)	L	Empty packing control
	-	
Number of tracks (<u>1</u> -single / <u>2</u> -double)	A ₁	Outfeed conveyor
Merge conveyor (<u>N</u> -without / <u>1</u> -with)	A ₂	
Guidance (<u>N</u> -without / <u>A</u> -activ / <u>P</u> -passiv)	A ₃	
Reserve	Z	
Reserve	Z	



Dimensions



Converger PV7