

# Sigpack TTML.

## TOPLOADER

### PRODUCTS

Pre-packed products, such as bars, biscuits, bags.

### PACK STYLES

Loading of products for example into cartons with tri-seal closure, open tray, RSC (Regular Slotted Containers) and HSC (Half Slotted Containers) or infeed chains for downstream processes – e.g. multi packs or endloaders.

### MODE OF OPERATION

Pre-formed cartons are transferred and indexed. Products are fed, grouped and loaded into the erected carton (topload). Afterwards the filled carton is closed and passed to the outfeed belt for subsequent processes.

### CONSTRUCTION

The Sigpack TTML is aligned for 24/7 production. Only a single operator is needed to handle all operations – changeover and cleaning included. Active carton control, reproducible changeovers and process transparency make the machine operation easy. This results in the highest reliability and OEE optimization.

### ERGONOMICS AND DESIGN

The Sigpack TTML is equipped with a compact and open design with compact footprint. The machine is readily accessible and easy to clean. The ergonomic operating height guarantees comfortable operation and fast conversion to new sizes and shapes. Safety guards provide noise protection and fulfill safety standards.

### OPERATION

A large touchscreen allows the setting of product specific parameters and in case of faults, displays a method for troubleshooting. Information on product statistics and the current operating status can also be accessed.

### Your benefits

- ❑ Fast and tool-less format changeover with vertical restart
- ❑ Maximum product and pack style flexibility
- ❑ High process safety and reliability
- ❑ Ergonomic and intuitive operation using HMI
- ❑ Compact and open design thanks to minimal footprint
- ❑ Optimal accessibility and easy cleaning
- ❑ Scalable output up to 150 cartons or 1500 products per minute
- ❑ High Overall Effectiveness (OEE)



# Packaging Line Structure.

Product Handling			Primary Packaging			Secondary Packaging		
Distribution & Feeding	Portioning	Robotic Handling	Horizontal Flow Wrapping	Vertical Flow Wrapping	Rollpack	Toploading	Endloading	Case Packing

## Standard equipment

- ❑ Sigpack TTML for grouping of products and loading of cartons and infeed chains
- ❑ Product infeed conveyor
- ❑ Product collation unit
- ❑ Allen Bradley controls and drives
- ❑ HMI with color touch screen, recipe and user management
- ❑ Tool-less changeover with vertical restart

## Options

- ❑ Double infeed conveyor and collating unit
- ❑ Feeding wheel for high-speed applications
- ❑ On edge loading of products
- ❑ Integration of a multi pack infeed chain
- ❑ Miscount detection
- ❑ Trolley for change parts
- ❑ Vision control
- ... and many others

## Specifications Sigpack TTML

<b>Product dimensions</b>	
Product length	50 to 300 mm
Product width	10 to 150 mm
Product height	10 to 100 mm
<b>Carton dimensions</b>	
Carton length	100 to 600 mm
Carton width	100 to 400 mm
Carton height	25 to 400 mm
<b>Performance</b>	
Product performance	up to max. 1500 products/min
Carton performance	up to max. 150 cartons/min
<b>Connections</b>	
Voltage	3 x 400-480 V plus ground, 50/60 Hz
Energy consumption	approx. 8 kVA
Compressed air	approx. 5-6 bar
<b>Weight</b>	
TTML	approx. 3600 kg

Syntegon Packaging Systems AG  
 Industriestrasse 8  
 CH-8222 Beringen  
 Switzerland

+41 58 674 10 10  
 sales.packaging-bng@syntegon.com  
 www.syntegon.com