

# HSW feeder

High-performance suction wheel feeder for paper processing and wrapping machines



## Design and characteristic features:

- Format 300 x 210 mm (DIN A4) longitudinal/transversal
- Suction roll feeder, with sheet pick-up from above
- Simple and quick format adjustment
- Electronically controlled sheet distance regulation
- Feeding independent from paper thickness (max. 170 g/m<sup>2</sup>)
- Antistatic paper alignment
- Own air supply by pressure vacuum pump
- Single or multi product feeding
- Light barrier for missing sheet detection in the outfeed
- Product magazine for loading and monitoring is easily accessible
- Min. stack monitoring on stack table
- Drive actuated via spur geared motor / DC servo-motor
- Electronic Double sheet control

## Control:

- PLC SIMATIC S7 with control panel OP7
- Operator guidance and status indication by 4-line display
- Preselection for piece number with NOM/ACT comparison
- Operation in continuous mode (automatic), set-up mode and manual mode
- Function test for self-diagnosis
- Fault message indication by way of signal lamp and display
- Infinitely adjustable feeding speed
- Adjustable product stop position
- Operator language selectable in German, English and French
- Electric and electronic plug-type connections (industrial connectors)

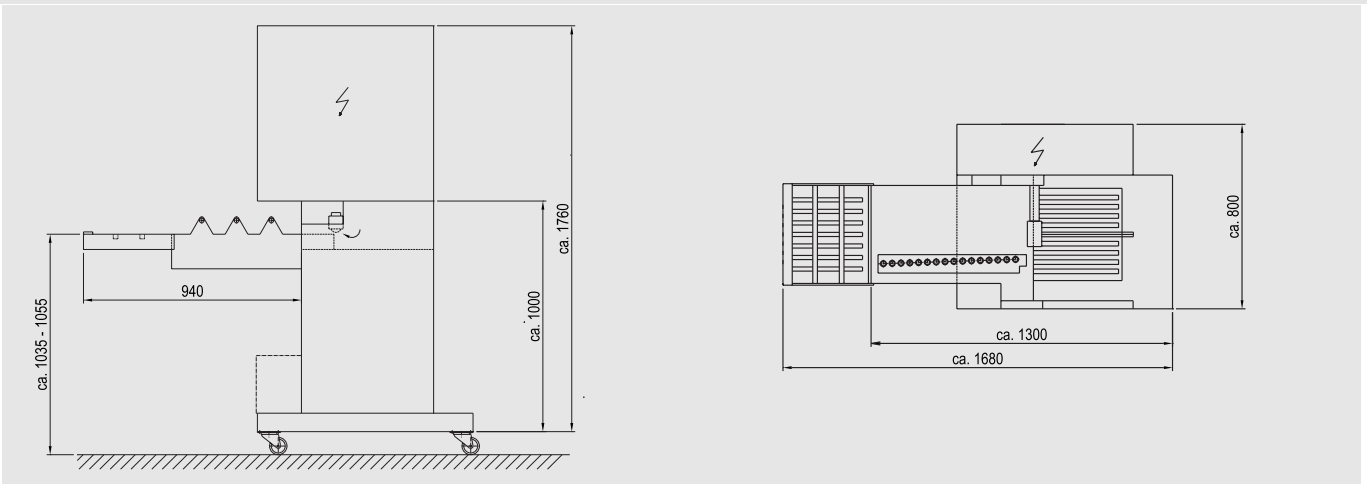
## Options:

- Parameter setting via external PLC (number of pieces, start signal, etc.)



Technical data:	
	<b>HSW with feeding width 300</b> Art.-No. HSW0000000
<b>Formats</b>	300 x 210 mm (DIN A4) longitudinalement / transversal
<b>Speed/ feeding performance (continuous mode), depending on the format:</b>	Max. 220 m/min. / up to a maximum of 500 products/min. (continuously)
<b>Product throughput:</b>	Min. 70 g/m <sup>2</sup> , Max. 170 g/m <sup>2</sup>
<b>Magazine loading: (depending on the product)</b>	Up to approx. 5.500 sheets/ 80 g/m <sup>2</sup>
<b>Drive:</b>	Suction roll via DC-servo-motor, infinitely controllable stack table via spur geared motor
<b>Control:</b>	PLC control SIMATIC S7 with control panel OP7 with functions for number of pieces, automatic mode, set-up mode and manual mode, self-diagnosis, fault message, etc.
<b>Supply voltage: Power input</b>	3 x 400 V / 50 Hz, 2.500 VA
<b>Compressed-air connection</b>	Autonomous mode, own vacuum pump + air pressure connection Separate air supply connection for stacking rake (6 bar)
<b>Dimensions (W x D x H) / Weight:</b>	Approx. 1.680 x 800 x 1.760 mm (incl. buffer rake)

Dimensions for standard model, feeding width 300 mm:



Options:

<b>Non stop magazine loading :</b>	<ul style="list-style-type: none"> <li>• Continuous filling of the stack during operation</li> </ul>
<b>Buffer rake</b>	<ul style="list-style-type: none"> <li>• Pneumatically operated, for piling multifeeding</li> </ul>
<b>Antistatic brushes on the outfeed</b>	<ul style="list-style-type: none"> <li>• To avoid an antistatic charging of the products</li> </ul>

Subject to technical modifications