

## WPM 400- C Technical Details



Machine similar to picture

### **for the converting of paper, carton, E- and B-flute**

- machine with high-performance sheet feeder, for automatic Non-Stop operation
- for fully automatic cutting, creasing and embossing, with or without gripper edge
- including stripping of the internal waste and the side and rear sheet edges
- including piling of the processed sheets with gripper edges still attached, or
- alternatively stripping the gripper edges and piling the remaining sheets
- including blank separation
- with a patented gripper bar register system to guarantee highest precision
- including an automatic piling machine with automatic tie sheet insertion as well as Non-Stop delivery, no setting necessary even with smallest blanks (alternate table with comb structure)
- tie sheet deposit with electronically stock control, refillable during production
- with Centerline System
- incl. Operator plat form

## TECHNICAL SPECIFICATION STANDARD MACHINE

Depending on quality and layouts:

- Paper to a minimum weight of 80 g/m<sup>2</sup>
- Carton or solid board up to a max. weight of 2000 g/m<sup>2</sup>
- Corrugated board up to a maximum thickness of 4 mm  
(Max. acceptable warp 4 %)

## CAPABILITY SPECIFICATIONS

Sheet size	max.	820 x 1130	mm
	min.	350 x 400	mm
Cutting pressure	max.	(400 t) 4,0	MN
Number of strokes per hour	max.	9000	sh/h

## DIMENSIONS AND WEIGHTS

Length of machine with feeder	approx.	6800	mm
Width of machine	approx.	2500	mm
Height of machine	approx.	2900	mm
Weight of machine	approx.	29,5	t
Weight of feeder	approx.	3	t

Feeder pile incl. pallet	Height max.	1.800	mm
	Weight max.	1.200	kg
Delivery pile incl. pallet	Height max.	1.700	mm
	Weight max.	1.000	kg

### Configuration of the machine

#### Feeder

machine with high-performance sheet feeder W3

- Automatic non-stop device
- Automatic pallet changer
- Suction head for processing paper, cardboard, and corrugated cardboard
- Double sheet detection
- Motorized stack side correction
- Motorized suction head adjustment

- Belt table with pneumatic cover frame
- Compressed air and vacuum pump

### **Feeder table**

- Side lay on the operator side, which can be switched between pull and push marks
- A light sensor that scans the correct page alignment of the sheets
- Fine adjustment of the side mark
- Two active front marks with light sensor for feed control
- Two inactive front marks for stabilizing the sheet feed
- Separate fine adjustment of the gripper edge for the drive and operator sides
- LED display of correct front and side mark registration
- Sheet arrival tendency display
- Missing sheet rejection that only switches off the feeder
- Height-adjustable cover mark for positive sheet guidance
- Register system

### **Cutting station**

- Roller-guided support rails of the die-cutting chase
- Roller guide for the punching plate on swiveling support arms
- Motorized punching pressure adjustment
- Automatic device for lifting the closing frame to the punching die
- Electronic punching force display with maximum punching pressure limitation
- Vacuum device in the lower table for thin punching sheets
- Register system
- Clamping frame with fixed setup plate
- Punching plate
- Plastic cover plate

### **Stripping station**

- Frame drive and frame lift for the upper tool frame
- Mounting device for the breakout board with centerline fine adjustment
- Device for test sheet removal
- Upper tool frame
- Lower tool frame
- Register system

### **Delivery Station**

- Fully automatic package stacking device that can be preselected
- Counted partial stacks can be formed by automatic interleaving of unpunched sheets (weight of interleaving sheets min. 250 g/m<sup>2</sup>, max. 800 g/m<sup>2</sup>)

- Frame lift for the upper tool frame
- Mounting device for interchangeable frames with electric motor adjustment in the Running direction
- Pneumatic frame locking
- Switchable gripper opener curve and sheet spreader
- Sheet stretching device
- Integrated conveyor belt for removing gripper edges
- Waste grid (double cut)
- Separator sheet magazine with electronic stock control, refillable from the B-side During production
- Register system
- Tool frame with centerline
- Exchangeable frame for normal sheet delivery / gripper edge separation
- Exchangeable frame for blank separation grid
- Mounting kit for holding the separation punch
- 8 x sheet hold-downs for normal sheet delivery
- 4 x support bars

### **Options**

- QTM - Patented guide rails
- QTM - die cutting frame with quick lock system and X/Y adjustment
- QTM - Upper stripping frame with quick lock system
- QTM - Upper delivery frame with quick lock system
- PLC Chngement to the latest Siemens S7 generation
- New generation of frequency converters
- Modem for remote service connection
- Machine height increase: 900 mm