



# Gathering machines Sprinter

# Sprinter

Stand-alone or inline – tried and tested.



The gathering machine **Sprinter 7009** is designed to be combined with the perfect binder of the City series and can be extended up to 20 stations with a hand-feeding station and a criss-cross delivery. The control for automatic run-up and run-down is a standard feature.

The gathering machine **Sprinter 7010** is a universal machine for even the most difficult product requirements. This model can be extended up to 28 stations and can also be equipped with a criss-cross delivery and an automatic reject gate if required. The optional automatic thickness control ACC and the print image control Opticontrol ensure the highest reliability and quality.

The gathering machine **Sprinter 7011** is the machine to use with the **Master** and **Champion** perfect binder series. This model can be extended up to 32 stations and can be equipped with all available options, such as criss-cross delivery, automatic reject gate, ACC and Opticontrol, etc.

These machines form the backbone of any book binding company, with its high level of functionality and fault-free operation in combination with **Wohlenberg** perfect binders.

The **Sprinter** gathering machines are designed based on the modular concept. All elements can be combined individually and used both as stand-alone machines, or inline with a perfect binder. The machine's low height, clearly laid out arrangement and functional design represent a visible expression of modern mechanical engineering, always with an eye on technical safety and reliability aspects.



Post Press Company

- Universal double gripper system for separating of sections and single sheets without any adjustments
- Separate, shaftless servo drive for use as stand-alone or inline operation
- Upright, smooth product transfer in the transport channel assisted by blowing air. Products do not have to be spiralled upright for feeding into the perfect binder
- Central, toolless adjustment of the transport channel
- Control system for automatic run-up and run-down as standard feature
- Handfeeding station with control system for automatic start-and-stop function of the station
- Reliable and non-marking separating of sections thanks to the 20° incline of the stations
- Pulsing blowing air in front and side gauges in the magazine ensure reliable processing of single sheets down to 70 g/m<sup>2</sup>
- Belt drive in magazine for processing web printed or difficult sections
- Automatic quality check by ACC and Opticontrol
- Changeover to half drum speed to reduce the separating speed
- Universal criss-cross delivery for pre-gathering of products
- Automatic reject gate for enhancing productivity



# Gathering Machines

## Sprinter



Easy to use thanks to the diagnosis terminal with its multi-lingual plain text display

### The diagnosis terminal

is integrated into the switch cabinet for the gathering machine **Sprinter**. This system is equipped with a multi-lingual plain text display and an info-key. All machine parameters can be invoked at any time. All of the main functions of the gathering machines can be activated or de-activated here at the push of a button by the operator.

### The criss-cross delivery

delivers pregathered products standing on the spine. The products can be removed at the freely accessible feeding side of the gathering machine. The criss-cross delivery, which is inclined upwards, is 1000 mm long and is equipped with a work-saving stacking reserve. Product sorting by offset stacking can be preselected, facilitating manual removal of the pregathered products. The height of the removal location is 850 mm.

[Criss-cross-delivery in detail](#)



Electronic operating element with station computer and Opticontrol (option)



### **The magazine**

is equipped with adjustable side gauges and a back gauge. Useful options such as side gauges with blowing air, front gauges with pulsing air and belt drives at the front of the magazine enhance production reliability with web printed sections, for example. Quality is guaranteed thanks to ACC and Opticontrol.





### The electronic operating element

on the **Sprinter 7010/7011** consists of a station computer equipped with an LED indicator and plain-text information for miss and double feed control, Opticontrol and ACC. An ON/OFF switch, reset buttons, control lamps, jogging button for setup and an emergency off switch complete the features for this central control element.

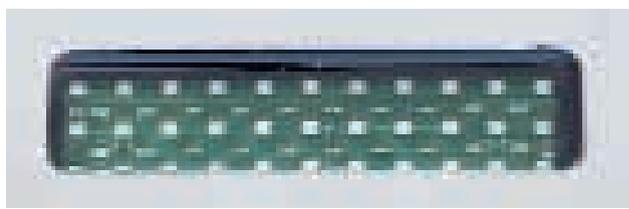


### Upright product transport

allows the products being gently transported on their spines, supported by nozzles with blowing air. This method is gentle on printed pages and does away with the need for subsequent spiralling upright of the products for feeding into the perfect binder. Combined with the 20° inclination of the stations, upright transport renders the **Sprinter** a "short-way machine" and thus enhances operating reliability and safety. The option available for changing the drum speed also optimizes separating speed and simplifies overall logistics.

### Opticontrol

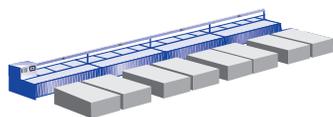
is a control and monitoring system for quality monitoring and detection of faulty/incorrect sections. Rectangular sensors at the bottom of the magazine pick up and transform reflected light into digital signals. The central processing unit integrated into the first operator control element receives and utilizes the acquired data and stops the machine if an error is detected. Opticontrol is available in different versions as optional equipment for any Sprinter model.



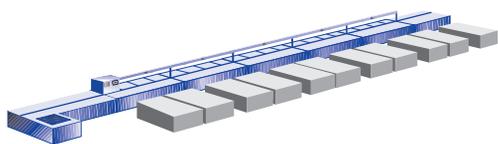


### The reject gate

of the **Sprinter 7010/7011** automatically ejects products that are gathered incorrectly without any interruption of normal operation, thus contributing to an enhancement of productivity. Incomplete or faulty products are separated out of the product flow via a diverter in the transport channel and are ejected out unsorted through a chute. The tolerable number of consequential errors can be programmed at each individual station. Production is stopped automatically when the set value is reached.



Sprinter in inline operation



Sprinter with criss-cross delivery

#### Technical data - Sprinter 7009

Mechanical speed (inline)	1000 - 5000 cycles/h
Operation with criss-cross delivery	1000 - 5000 cycles/h
Product height	105 - 370 mm
Product width	75 - 320 mm
Transport channel width	80 mm
Number of stations	4 - 20

#### Technical data - Sprinter 7010

Mechanical speed (inline)	1000 - 8000 cycles/h
Operation with criss-cross delivery	1000 - 5000 cycles/h
Product height	105 - 370 mm
Product width	75 - 320 mm
Transport channel width	80 mm
Number of stations	4 - 28

#### Technical data - Sprinter 7011

Mechanical speed (inline)	1000 - 8000 cycles/h
Operation with criss-cross delivery	1000 - 5000 cycles/h
Product height	105 - 485 mm
Product width	75 - 320 mm
Transport channel width	80 mm
Number of stations	4 - 32

#### Material range (for all models)

Single sheets, depending on product	70 g/m <sup>2</sup>
For folded sections (pages)	64

#### Accessories (standard)

Miss and double feed control
Blowing air nozzles in the transport channel
Servo drive
PLC control system with operator terminal and integrated plain text display
Product counter
Pre-selection of product quantity
Speed indicator
Automatic run-up and run-down
Automatic start-and-stop function for the stations when hand feeding

#### System extensions (optional)

Handfeeding station with 1 or 2 pockets
Side gauges with blowing air in the magazine
Pulsing air in front gauges of the magazine
Drive belts in the magazine
3rd and 4th sucker
Electromagnetic/mechanical disengaging clutch
Station computer with operating element
Print image control Opticontrol
Automatic caliper control ACC
Changeover to half drum speed
Criss-cross delivery with diverter for stand-alone and inline operation
Pre-selection of product sorting in the criss-cross delivery (1-99)
Automatic reject gate
Transfer unit to the perfect binder
Special grippers for 4 - 12 mm thick products
Aircenter
Airpressure vacuum pumps and blowers

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