Sprinter

The operating terminal... is integrated in the switch cabinet. This system is equipped with a multilingual graphic display and touch-screen function. All main functions of the gathering machine can be activated or deactivated here at this terminal.

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 25° 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.

Features as standard

■ 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 supported by blowing air.
■ Reliable and non-marking separating of sections thanks to the 25° incline of the stations
■ No spiral race element required for infeed into a perfect binder
■ Integrated, patented vacuum technique Winjector
■ Integrated terminal with graphic display and touch-screen function
■ Motorized adjustment of the transport channel
■ Control system for automatic run-up and run-down as standard
■ Pulsing blowing air in front in the magazine ensure reliable processing of single sheets down to 70 g/m²

Tried and tested

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. The height of the removal location is 850 mm.

Product sorting by offset stacking can be preselected, facilitating manual removal of the pre-gathered products.

The reject gate... of the Sprinter automatically ejects products that are gathered incorrectly without any interruption of normal operation, thus contributing to an enhancement of productivity. Incomplete or defective products are deleted out via a diverter in the transport channel. The tolerable number of consequential errors can be programmed at each individual station. After reaching the preset value, production is automatically interrupted.

The magazine... is equipped with adjustable side gauges and a back gauge. The 25° incline of the stations support a non-marking and reliable separation of sections and single sheets and reduce the distance to the transport channel. Quality is guaranteed thanks to a miss- and double sheet control as well as the print image control Winspector.

The Winspector... is a self-learning camera control and monitoring system for quality monitoring and detection of faulty/incorrect sections. The Winspector is set to learn, whenever a job is going to be started or changed and automatically identifies the ideal position on the image with most contours. It therefore allows a quick and simple control of the sections being in a correct order. The evaluation can base on images as well as barcodes.

The Winjector... is a compact and patented system, based on a multi-stage ejector technology (COAX® Technology), to optimize the process of creating vacuum. The compact design of a Winjector allows this technology being installed at all stations of the gathering machine. This means, that every single station features 2 decoupled vacuum pumps in a position that cannot be closer to the point where vacuum is needed.

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www.wohlenberg.com
The Sprinter is a new, compact and patented suction pump system for optimized vacuum generation. Based on the multi-stage ejection technology (Coax®-Technology) Wohlenberg engineers have developed this system. The compact design allows for an easy and functional design of the paper feeding. The paper guide elements are designed to ensure the paper is correctly feed into the system. The Sprinter gathering systems 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.

**Technical data Sprinter e / s**

- **Mechanical speed, Inline**: 1000 - 8000 cycles/h*
- **Operation with criss-cross**: 1000 - 5000 cycles/h*
- **Product height**: 105 - 370 mm (4,13” - 14,57”)
- **Product width**: 75 - 320 mm (2,95” - 12,60”)
- **Transport channel width**: 80 mm (3,15”)
- **Number of stations**: 4 - 28*
  *depending on selected machine configuration

**Material range (for all models)**

- Single sheets, depending on product: 70 - 300 g/m²
- Unfolded sections with finished edge: 64 - 450 g/m²

**Technical data Sprinter eXL / sXL**

- **Mechanical speed, Inline**: 1000 - 8000 cycles/h*
- **Operation with criss-cross**: 1000 - 5000 cycles/h*
- **Product height**: 105 - 485 mm (4,13” - 19,09”)
- **Product width**: 75 - 320 mm (2,95” - 12,60”)
- **Transport channel width**: 80 mm (3,15”)
- **Number of stations**: 4 - 32*
  *depending on selected machine configuration

**Material range (for all models)**

- Single sheets, depending on product: 70 - 300 g/m²
- Unfolded sections with finished edge: 64 - 450 g/m²

*The Winjector is a new, compact and patented suction pump system for optimized vacuum generation. Based on the multi-stage ejection technology (Coax®-Technology) Wohlenberg engineers have developed this system. The compact design allows for an easy and functional design of the paper feeding. The paper guide elements are designed to ensure the paper is correctly feed into the system. The Sprinter gathering systems 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.