Gathering machines
Sprinter
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.

- 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/m²
- 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

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.

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

**Opticontrl**

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. Opticontrl is available in different versions as optional equipment for any Sprinter model.

**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, Opticontrl 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.
**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.