

S45 Small Folding Machine



The small folding machine S45 is suitable for the production of short folded sheets. It is available in a predefined configuration. However, the choice of continuous- or flat pile feeder is available. By dispensing with machine variants, production can be cheap and fast. The S45 package includes the feeder, the first and second folding units, the transfer unit, and the vertical delivery.

The extra-long 1.4 m (55") alignment table in front of the first folding unit ensures reliable alignment of the sheet. The register table can be equipped with a camera system for code reading at a later date.

The highlight of the machine is the new transfer unit between the first and second folding units. It is permanently installed on the folding unit and has a sliding function. This ensures ergonomic access to the slitter shafts. The rear part of the transfer unit can also be moved so that a positioning adjustment to the side lay of the cross fold unit is easy. This eliminates the inconvenience of moving the subsequent units back and forth when the format is changed, which shortens change-over times and saves space in the production environment.

The new small folding unit features the intuitive M1 Basic machine control. The software also enables RAS remote access service of the machine.

The S45 has a working width of 45 cm (17 3/4"). The fold roller diameter of 32 mm (1 1/4") allows for a shortest fold length of 25 mm (1"). The first folding unit is equipped with eight new types of buckle plates that allow for all adjustment work without removing the buckle plates. This saves change-over time. The second folding unit is mobile and equipped with four buckle plates. It allows for operation as a cross fold or even in parallel behind the first folding unit. Both folding units of the S45 are equipped with a low-noise and low-maintenance belt drive, which significantly reduces maintenance costs.

The S45 package is completed with the included vertical stacker delivery, which also includes a marking function.

With the S45, customers receive a rapidly available, complete small folding unit at a low price. The machine can be equipped with various peripherals, such as a press, a labelling unit or a parallel knife folding unit.

Features

MBO flat pile feeder F45

- Machine control M1 Basic
- Feeder head Vacustar
- Ultrasonic double sheet control
- Pressure vacuum pump
- Alignment table SBT 1.4 m

H+H buckle folding unit S45

- Stationary unit with belt drive
- Virotec Niro fold rollers
- 8 buckle plates
- 1st–2nd buckle plate with swing deflector and continuous sheet stop
- 3rd–8th buckle plate as combination buckle plates with fine adjustment

H+H transfer unit TT45

- Mechanical drive from folding unit I
- Variable sheet transfer of folding unit I to folding unit II

H+H buckle folding unit S45

- Mobile unit with belt drive
- Roller-table with ball rail, right
- 4 buckle plates
- 1st–2nd buckle plate with swing deflector and continuous sheet stop
- 3rd–4th buckle plate as combination buckle plates with fine adjustment

H+H vertical stacker delivery, type 177.1

- Mobile
- For 2-up production
- Height adjustable via lift cylinder from 630 mm – 930 mm; lift 300 mm (24 ¾" – 36 ½"; lift 12")
- Photocell and kicker (marking device)
- Delivery table length: 800 mm (31 ½")

Technical specifications

		MBO flat pile feeder F45		MBO continuous feeder R45		H+H buckle folding unit S45		H+H transfer unit TT45		H+H buckle folding unit S45		H+H vertical stacker delivery, type 177.1 ¹	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
Infeed width	min.	150	6	150	6	–	–	–	–	–	–	–	–
	max.	450	17 3/4	450	17 3/4	–	–	–	–	–	–	–	–
Infeed length	min.	150	6	180	7	–	–	–	–	–	–	–	–
	max.	1,000	40	1,000	40	–	–	–	–	–	–	–	–
Working width		–	–	–	–	450	17 3/4	450	17 3/4	450	17 3/4	450	17 3/4
Fold roller diameter		–	–	–	–	32	1 1/4	–	–	32	1 1/4	–	–
Slitter shaft diameter		–	–	–	–	25	1	–	–	25	1	–	–
Table roller diameter		–	–	–	–	–	–	–	–	20	3/4	–	–
Table roller spacing		–	–	–	–	–	–	–	–	22,5	7/8	–	–
Dual setting range		–	–	–	–	–	–	100	4	–	–	–	–
Electrical supply		–	–	–	–	–	–	–	–	–	–	Three-phase current	

¹ Minimum/maximum product height: 25 mm – 110 mm (1" – 4 ¼")

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