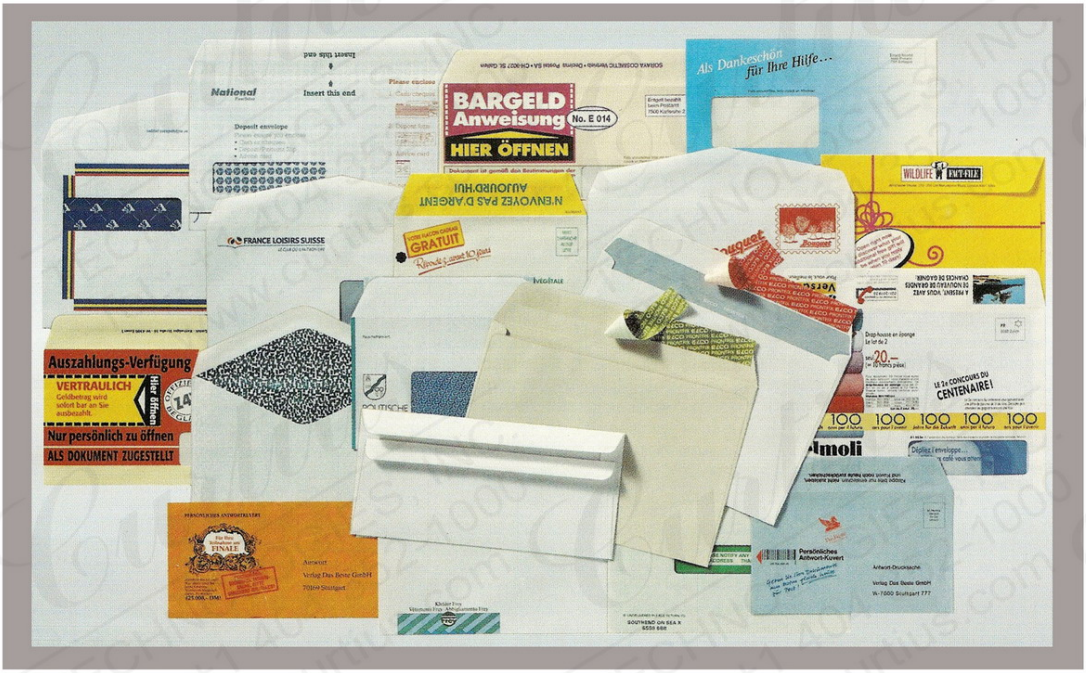
WINKLER+DÜNNEBIER

102



Rotary
Reel-fed Envelope Machine

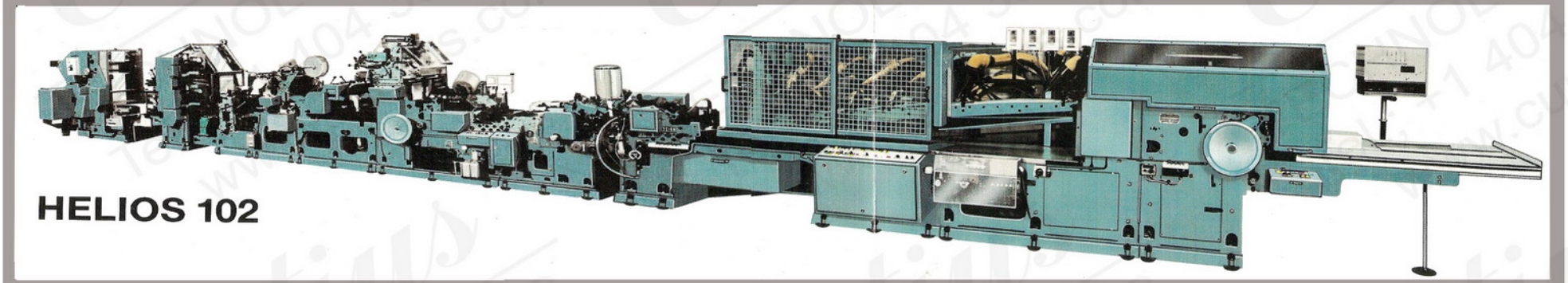
Curtius TECHNOLOGIES, INC

486 Manget Street Marietta, Georgia 30060 USA Tel.: +1 404 352-1000 Fax: +1 404 355-9330 www.curtius.com

Rotary
Reel-fed Envelope Machine

HELIOS 102

The windows are cut out by means of onepiece cutters. The separating knife working against a stationary bar simultaneously shapes bottom and seal flap. According to the execution of the machine, the side flaps are cut out by rotary knives, fixed size or adjustable size wing knives.
Special importance is attached to easy and rapid size changes and adjustments; all important sections of the machine can be readjusted while the machine is operating.
Numerous adjusting devices considerably facilitate size changes. The high output and the possibility of handling lightweight papers have made the Helios 102 machine a most interesting and economic machine for the modern envelope factory.
This high-speed machine produces envelopes with and without window from the reel. Envelopes with inner or outer side flaps, and with pointed or trapezoidal seal flaps can be manufactured. The machine can be equipped with up to four flexographic printing units, which can be used optionally for inside or outside printing. According to specific requirements, the seal flap can be provided with a dextrine or a self-seal adhesive application. In contrast to a blank-fed machine, the Helios 102 has the advantage of automatically cutting the blanks from a reel thereby making optimum use of the paper web width.



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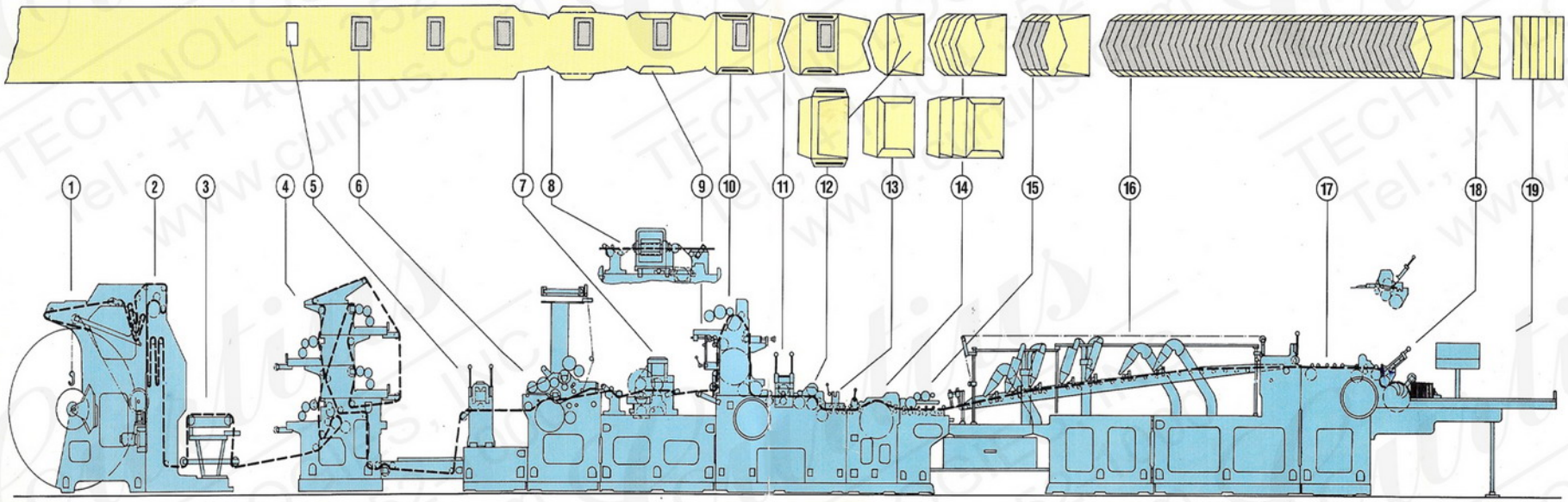

HELIOS 102

1 unwind section
2 device for forming a paper loop
3 web aligning system
4 printing section (flexographic printing)
5 window cutting section
6 window material section
7 form cutting section (rotary cut)
8 form cutting section (wing cut)
9 side flap folding section (inner side flaps)
10 side flap gumming section
11 separating cutting section
12 bottom flap folding section
13 side flap folding section (outer side flaps)
14 staggering section
15 seal flap folding section
16 drying section
17 aligner section
18 seal flap folding section
19 delivery with counter

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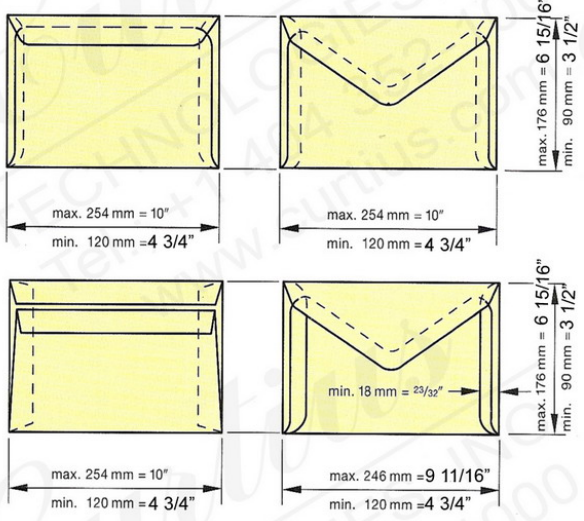
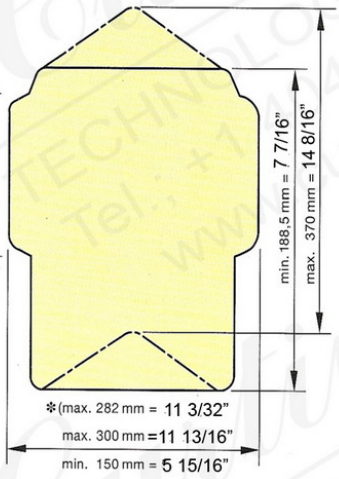
HELIOS 102

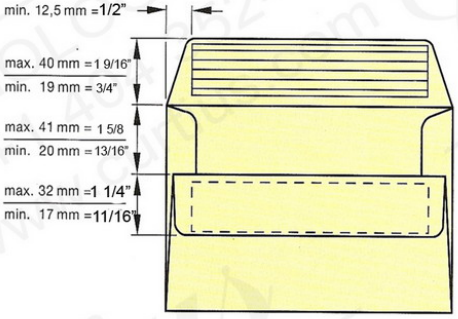
Verstellbarkeit



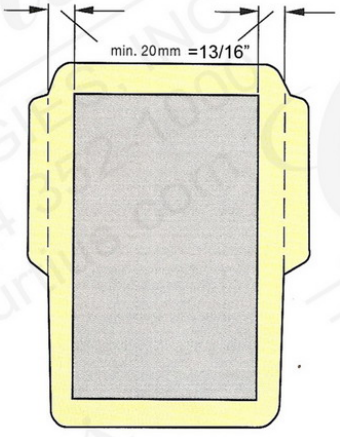
Size ranges



*with outer side flaps



Fensterbereich



window area

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HELIOS 102

Technical Data:

	max. output/minute envelopes with remoistenable and pressure-sensitive gumming
1000	with paper weights 80 – 120 g
800	with paper weights 60 – 80 g
600	envelopes with self-seal gumming
max. 370 mm = $14^{9}/_{16}$″ min. 188,5 mm = $7^{7}/_{16}$″	overall blank length
max. 300 mm = $11^{13}/_{16}$″ min. 150 mm = $5^{15}/_{16}$″	overall blank width
max. 282 mm = $11^{3}/_{32}$″	with outer side flaps
1500 mm = $59^{1}/_{32}$″	diameter of the paper reel
500 mm = $19^{5}/_{8}$″	diameter of the window material reel
max. 220 mm = $8^{21}/_{32}$″ min. 30 mm = $1^{3}/_{16}$″	width of the window material reel
	window material length adhesive application on blank adhesive application on window material web
max. 124 mm = $4^{7}/_{8}$″	
max. 178 mm = 7″ min. 35 mm = $1^{3}/_{8}$″	
max. 300 mm = $11^{13}/_{16}$″ Im Bereich der max. Druckbreite kann die Papierbahn ganzflächig oder partiell bedruckt werden. Within the max. printing width the paper web can be printed fully or partially.	printing area: printing width printing length
50 kVA 20 kW	power required approx. motors electrical heating
14500 kg	net weight approx.
17500 x 2360 x 2000 mm	dimensions of the machine with switch cabinet

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