

W+D 341

The ultimate production system for large size envelopes and pockets



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The **W+D 341** is the ultimate production system – equipped with the newest servo technology. It is the ideal replacement option for envelope manufacturers committed to improving the productivity and profitability of producing large size envelopes and pockets.

The **W+D 341** is particularly well suited for direct mail products due to its ability to produce non-standard products with large and multiple windows or special cutting shapes.



Features

- / Up to 600 envelopes/minute
- / Available as a sheet or reel machine with a central delivery (end delivery on request)
- / Ideal for processing difficult paper qualities
- / EasyCut® magnetic cylinder technology stands for consistently high product quality when processing rectangular sheets and eliminates die cuttings as a separate work step
- / EasyCut® magnetic cylinder technology for quick format changes
- / Easy to operate window patching station
- / Automatic conveying of all "good products" in the machine to the delivery table
- / Touch-screen operating terminal for inputs with fine adjustment at the touch of a button in steps of 0.1 mm

Advantages

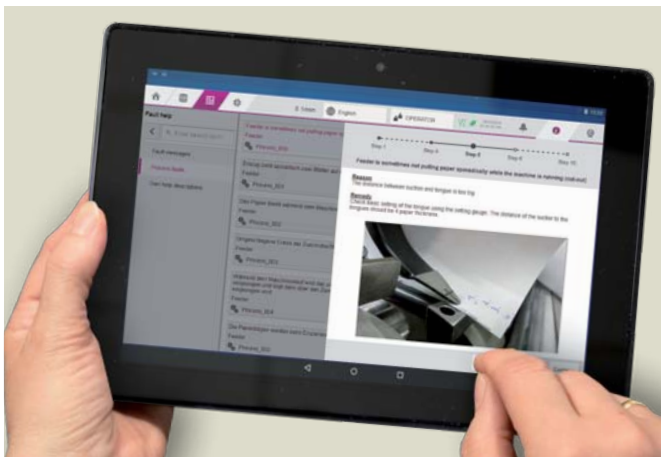
- / High productivity ensures low cost per piece.
- / Depending on the workflow, the machine is available as a sheet or a reel version.
- / Suited for envelopes and mailing pockets made of thick paper, which are also becoming increasingly interesting for online mailers.
- / The EasyCut® magnetic cylinder technology ensures a high-precision cut shape and is therefore the basis for repeatable folding and gumming processes.
- / Simple operation of the window station ensures reliable window application from the first to the last envelope.
- / Precise settings ensure high product quality and productivity in downstream processes such as automatic inserting.



User-friendly touch screens facilitate control of all modules

Standard components

- / W+D 191 W: Automatic paper reel splicer (W+D 341 RC only)
- / W+D EasyCut® magnetic cylinder technology for flex die (cut-off, form and window cutting)
- / First window cutting and window patching station
- / W+D 190: automatic splicer for window material for the first window material patching station
- / Seal flap gummer section (designed for cycle gumming) for remoistenable and self-adhesive gumming
- / Single servo drives at all stations for maximum format variability without change gears
- / Preparation for external side flaps
- / Seal flap drying with temperature control as a circulating air system below the machine
- / Aligner station with product rejection
- / Automatic emptying of the drier chain when the machine stops



Tablet connectivity



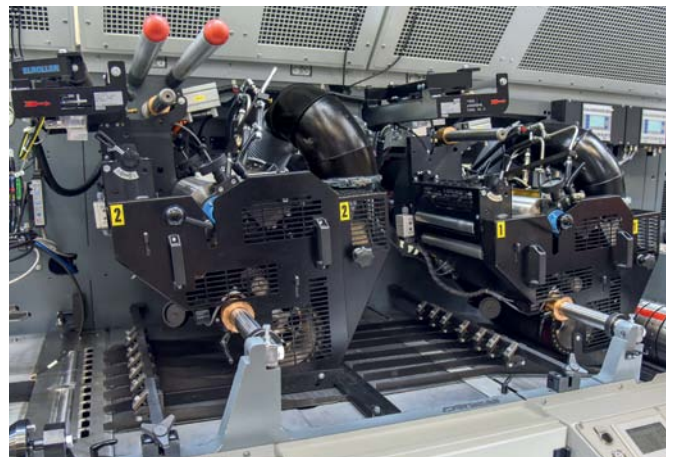
Marked valve positions on the EasyCut® flex die allow quick and easy changeovers

Push-to-Service Button

Pressing this button triggers a system diagnosis and copies all relevant data and messages into an e-mail. This is automatically sent to W+D First Level Support and contains the following information: machine number, error message, telephone number of the customer and complete diagnostic report.

Optional components

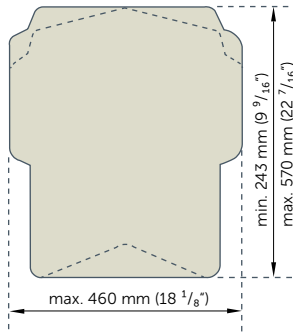
- / Register control for processing pre-printed reel material (W+D 341 RC only)
- / A second window material patching section
- / Tools for producing envelopes and pockets with side gussets
- / Tools for outside flaps
- / Hot-melt pressure-sensitive gumming for seal flaps
- / Intelligent quality assurance system IQS detects errors in the contour cut or possibly also in the side cutting
- / Cameras in the machine for process monitoring and quality control support



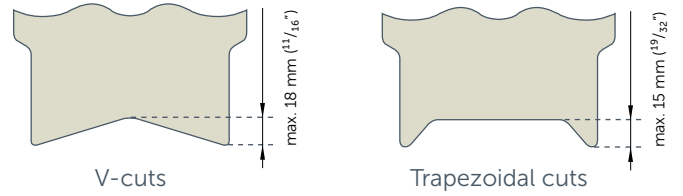
Second window material patching section

Dimensions and formats

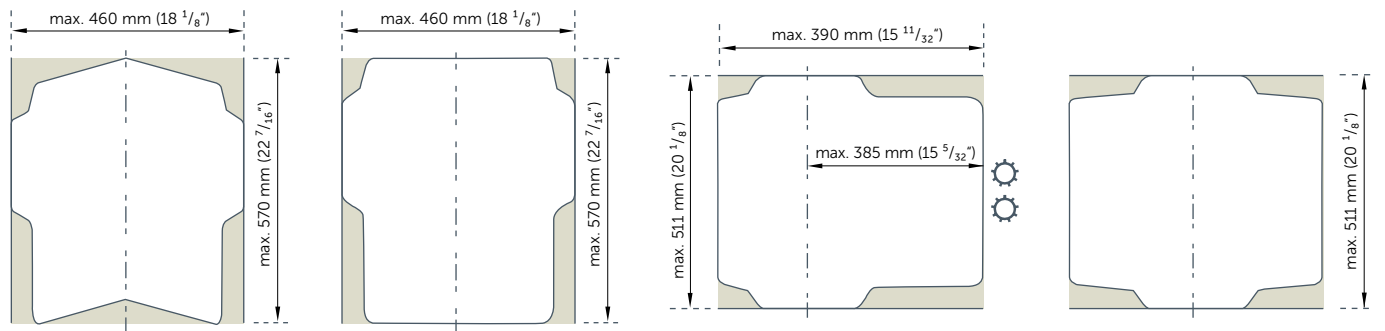
Blank format



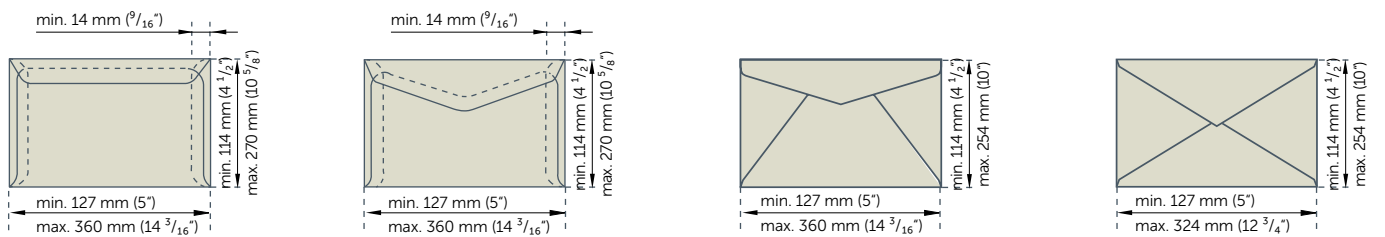
Cut-out depth



Complete cut



End format



Booklet

Inserting-style

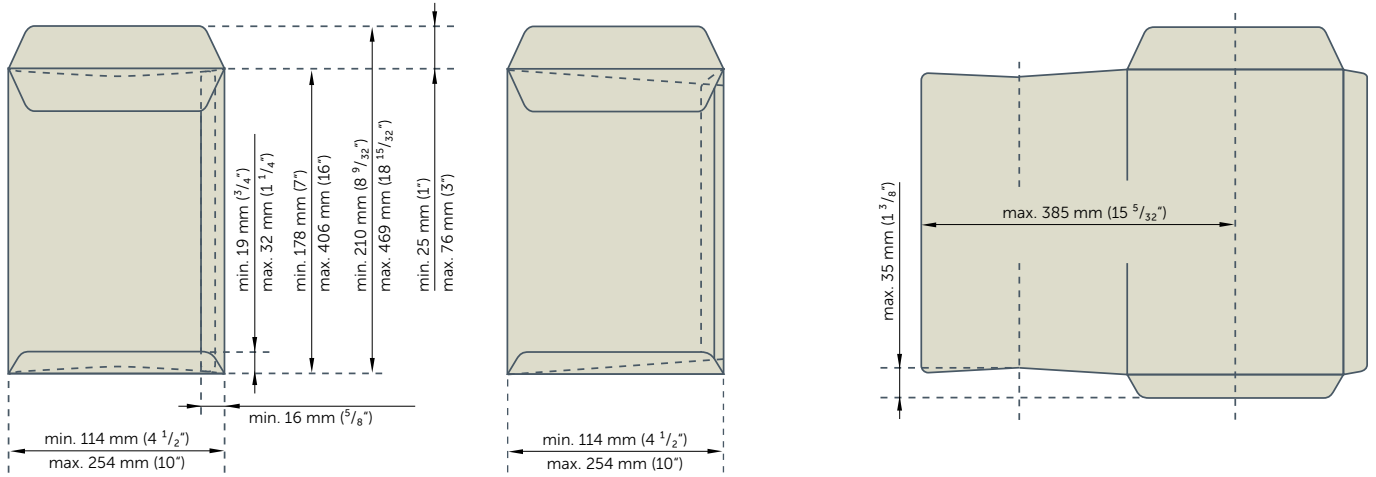
Commercial-style

Diamond-style

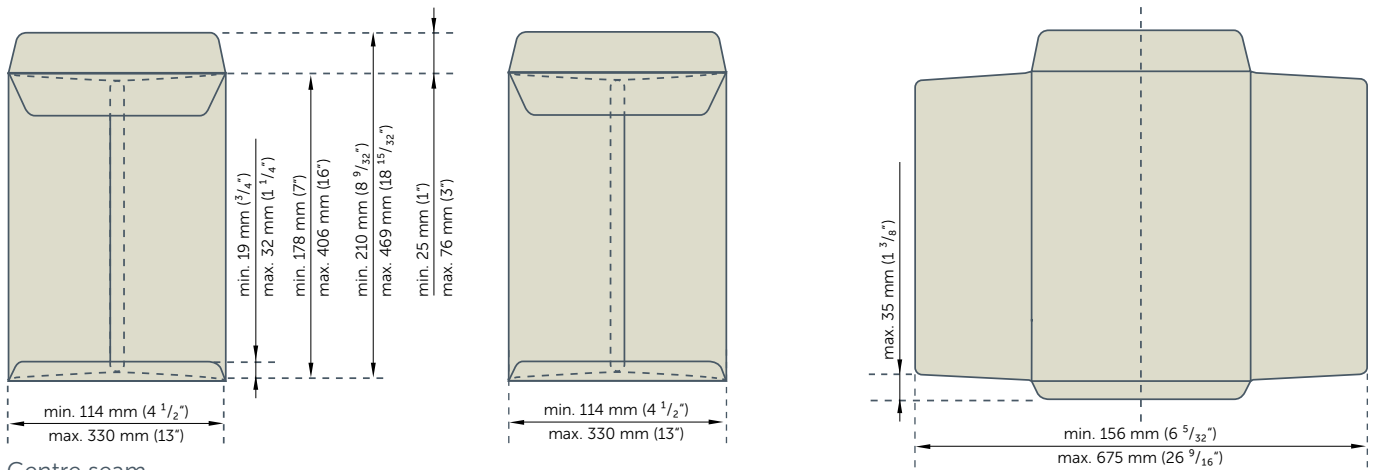
All binding data concerning the dimensions and formats for each machine type can be found in the performance data sheet.

End format

Pockets

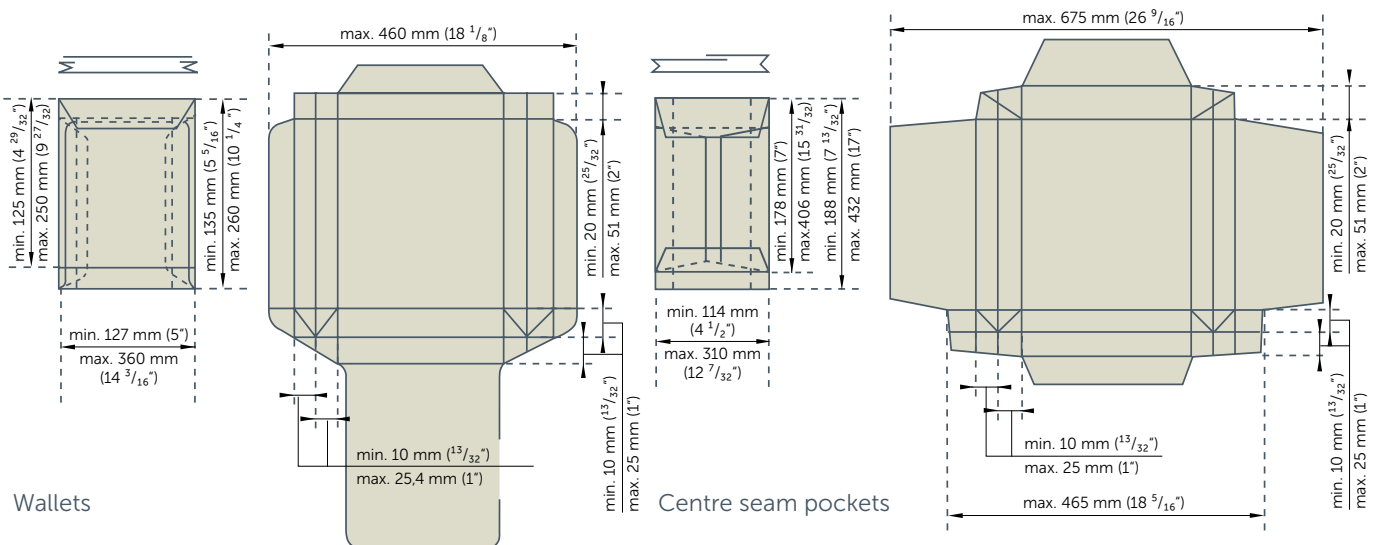


Side seam



Centre seam

Gussets



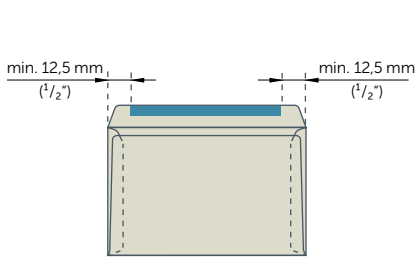
Wallets

Centre seam pockets

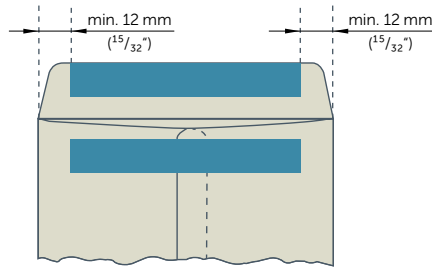
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Dimensions and formats

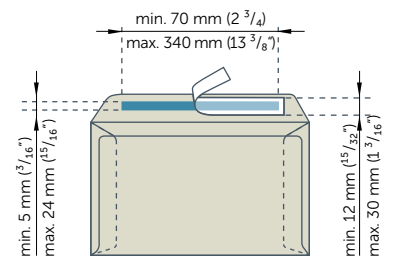
Seal flap gumming



Remoistenable gumming

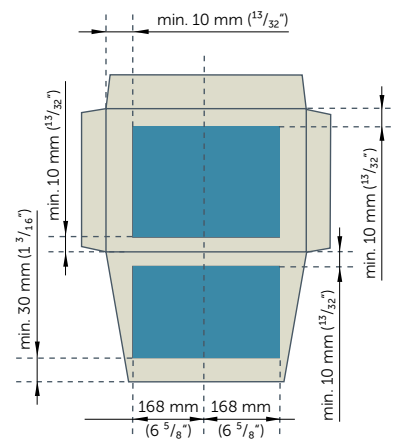
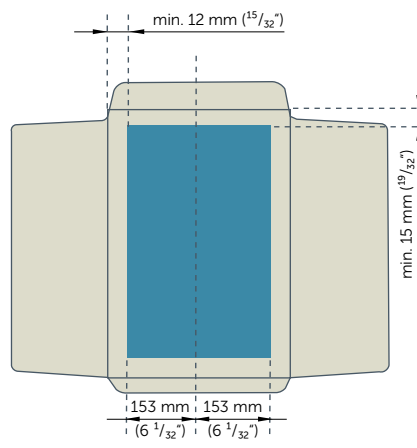
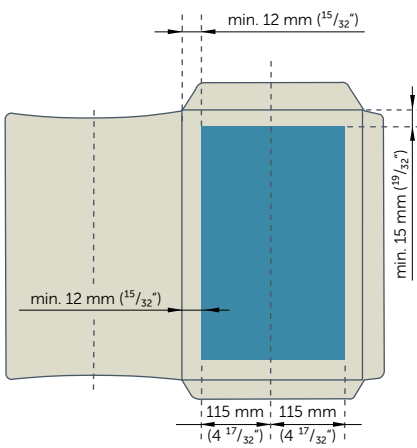


Self-seal gumming

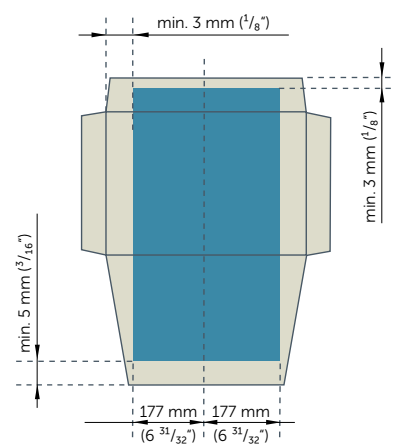
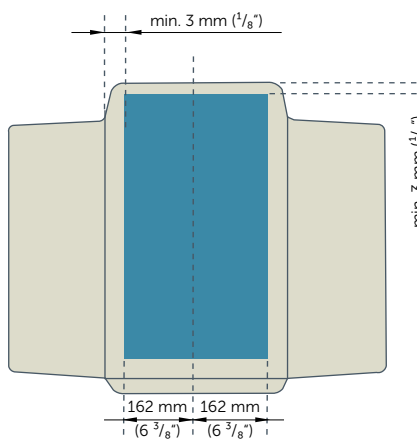
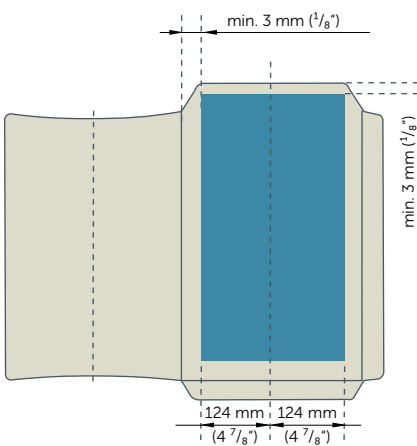


Hot-melt pressure-sensitive gumming

Window range



Cutting area



Patching area

All binding data concerning the dimensions and formats for each machine type can be found in the performance data sheet.

Technical Specifications

Type		C	RC/RE
Maximum output per minute – envelopes or pockets	Remoistenable gumming	600 pieces	
	Self adhesive gumming	400 pieces	
	Cycle gumming	400 pieces	
	Gusset formats	300 pieces	
Paper weights	Standard	80 – 165 g/m ² (21 – 44 lb)	
	Gusset pockets	80 – 120 g/m ² (21 – 32 lb)	
Size ranges	Side seam pocket	min. 114 mm (4 1/2") × 178 mm (7")	max. 254 mm (10") × 406 mm (15 31/32")
	Centre seam pocket	min. 114 mm (4 1/2") × 178 mm (7")	max. 330 mm (13") × 406 mm (15 31/32")
	Diamond-style envelope	min. 127 mm (5") × 114 mm (4 1/2")	max. 324 mm (12 3/4") × 254 mm (10")
	Commercial-style envelope	min. 127 mm (5") × 114 mm (4 1/2")	max. 360 mm (14 3/16") × 254 mm (10")
	Booklet	max. 360 mm (14 3/16") × 270 mm (10 5/8")	
Paper reel	Diameter	–	max. 1,530 mm (60 1/4")
	Width	–	max. 675 mm (26 9/16")
	Winding core Inner diameter	–	min. 127 mm (5") – max. 153 mm (6")
Blank from sheet	Total length	min. 243 mm (9 9/16") max. 570 mm (22 7/16")	
	Total width	min. 156 mm (6 5/32") max. 675 mm (26 9/16")	
Blank from reel	Total length	–	min. 243 mm (9 9/16") – max. 570 mm (22 7/16")
	Total width	–	min. 156 mm (6 5/32") – max. 675 mm (26 9/16")
Window material	Window-material reel	Diameter	max. 500 mm (19 11/16")
		Width	max. 300 mm (11 13/16")
	Winding core Inner diameter	70 – 77 mm (2 3/4" – 3 1/32")	
	Cut-off length	1st window section	min. 50 mm (1 31/32") – max. 265 mm (10 14/32")
2nd window section		min. 50 mm (1 31/32") – max. 250 mm (9 27/32")	
Silicone paper optional	Silicone paper reel	Diameter	max. 800 mm (31 1/2")
		Width	min. 80 mm (3 5/32") – max. 350 mm (13 25/32")
	Winding core Inner diameter	70 – 77 mm (2 3/4" – 3 1/32")	
	Protective strip Cut-off length	min. 12 mm (15/32") – max. 30 mm (1 3/16")	
Printing unit optional	Printing length at Stacktype L	–	max. 570 mm (22 7/16") inside and outside printing
	Printing width at Stacktype L	–	Side seam: max. 630 mm (24 13/16") Centre seam: max. 660 mm (25 31/32")
	Printing unit at Stacktype L	–	3er Stacktype L: 1-3 web printing units 6er Stacktype L: 2-6 web printing units
Dimensions and weight ①	Length	11,840 mm (38.8ft)	RC: 25,300 mm (83 ft.)
	Width	5,000 mm (16.4 ft)	RC: 5,000 mm (16.4 ft)
	Height	2,800 mm (8.2 ft)	RC: 3,250 mm (10.7 ft)
	Net weight	approx. 21,000 kg (approx. 46,000 lb)	on request
Compressed air	6 bar	42 m ³ /h	
Vacuum requirements	0,6 bar	1,060 m ³ /h	
Blowing air		405 m ³ /h	
Connected load	Basic machine	114 kVA	164 kVA
	Material suction	7 kVA	
	Vacuum pumps	41 kVA	
Noise emission According to specification EN 13023	Feeder	85,8 dB (A)	–
	Delivery table	87 dB (A)	87 dB (A)

① Basic machine in standard version (with opened protective hoods)

All performance data published refers to the production of a defined reference product under certain circumstances reflecting a possible practice of use. The performances achieved in practice depend on a multitude of parameters which are beyond our control. This includes, amongst other factors, the condition of the raw materials to be processed, the shapes of the products, the air humidity and the ambient temperature. W+D reserves the right to make design changes and changes to the performance values.



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Our Brands

