

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
- / Ideal for processing difficult paper qualities
- / EasyCut® magnetic cylinder technology stands for consistently high product quality when processing rectangular sheets and eliminates die cutting 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.
- / 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 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



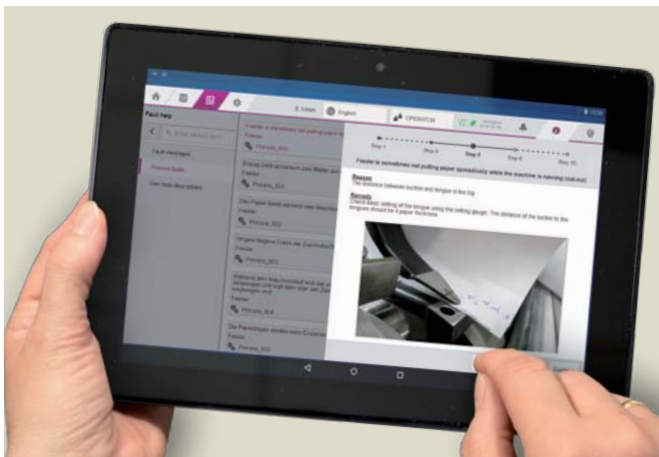
Marked valve positions on the EasyCut® flex die allow quick and easy changeovers

Push-to-Service Button

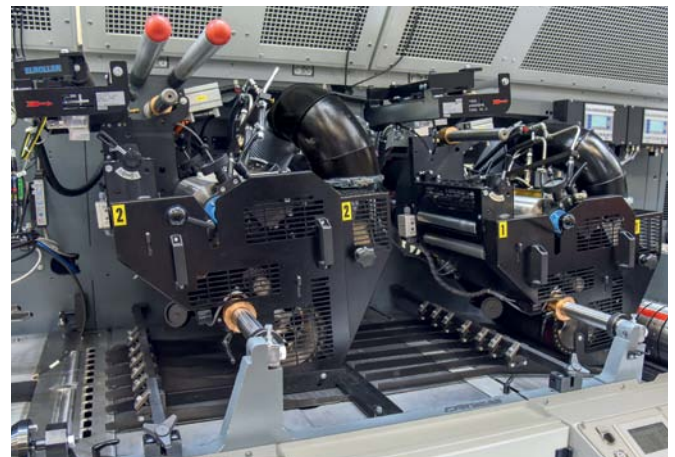
Pressing this button triggers a system diagnosis and copies all relevant data and messages into an e-mail. This is automatically sent to W+D First Level Support and contains the following information: machine number, error message, telephone number of the customer and complete diagnostic report.

Optional components

- / 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



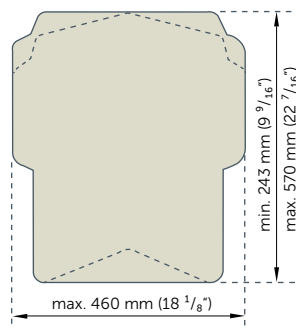
Tablet connectivity



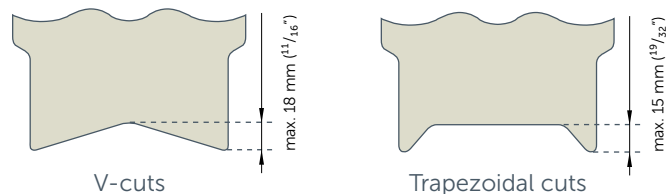
Second window material patching section

Dimensions and formats

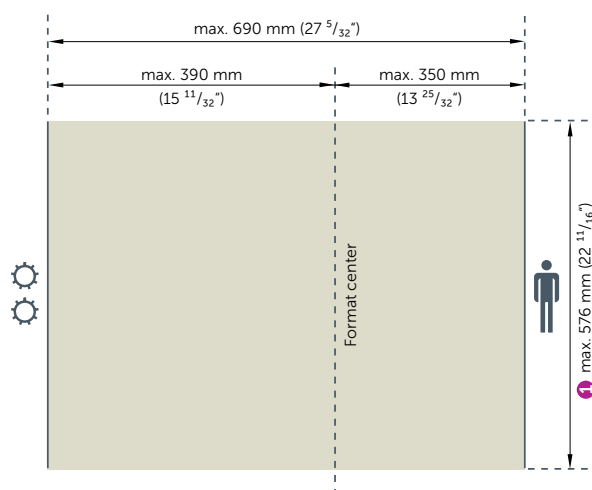
Blank format



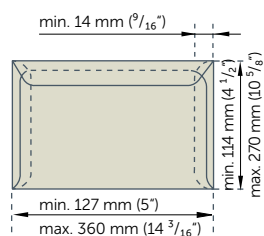
Cut-out depth



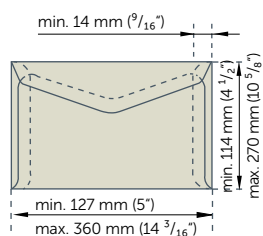
Complete cut



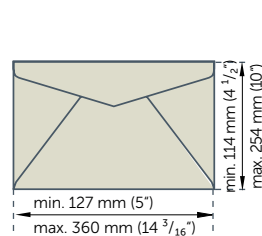
End format



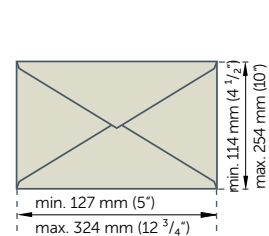
Booklet



Inserting-style



Commercial-style



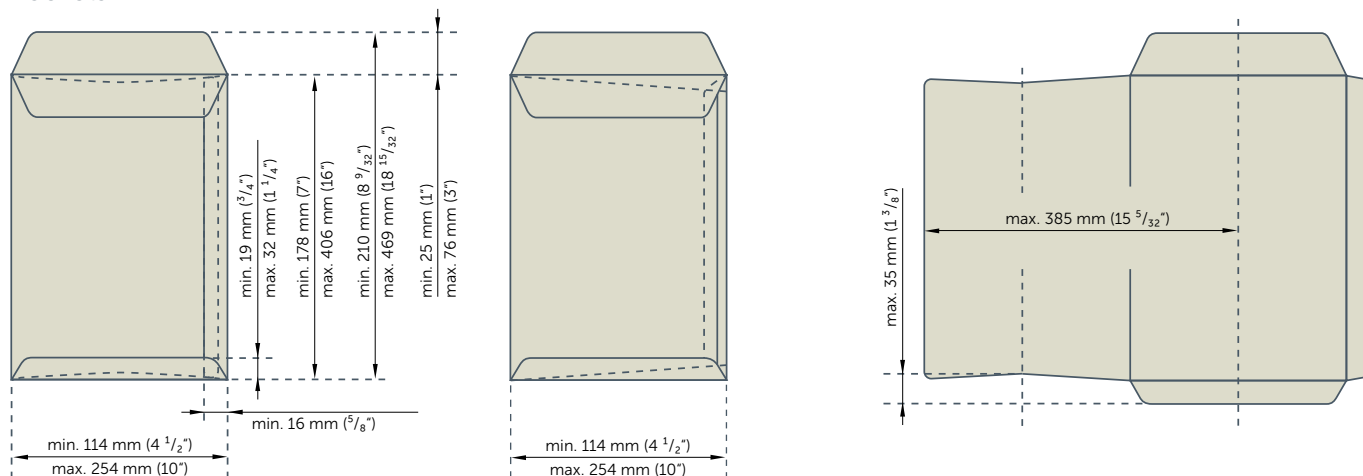
Diamond-style

❶ In case of a complete cut from a rectangular sheet with circumferential contour the cut-out height will be reduced to 560 mm (22 1/16")

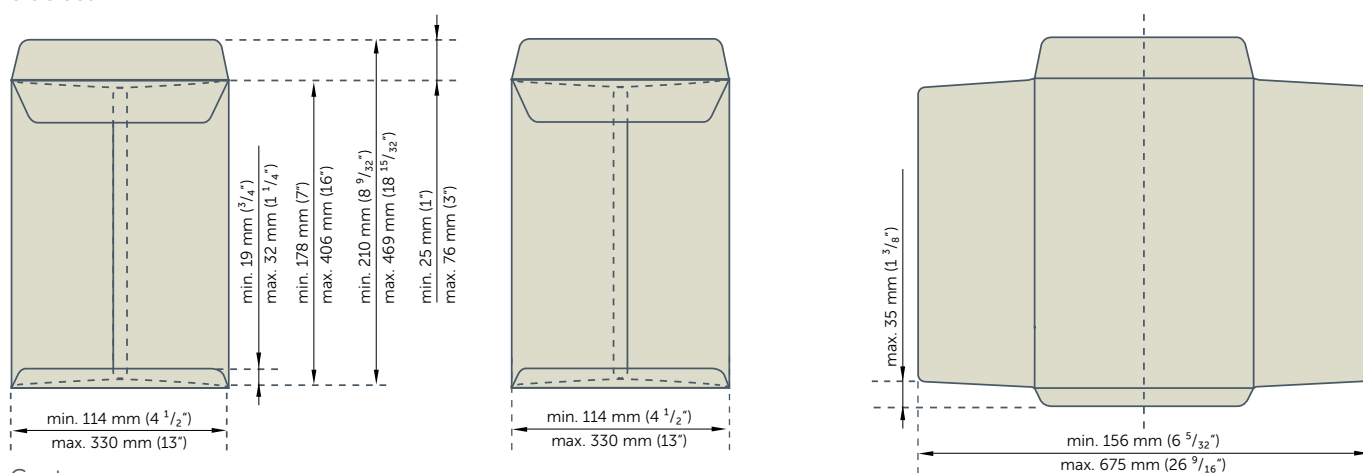
All binding data concerning the dimensions and formats for each machine type can be found in the performance data sheet.

End format

Pockets

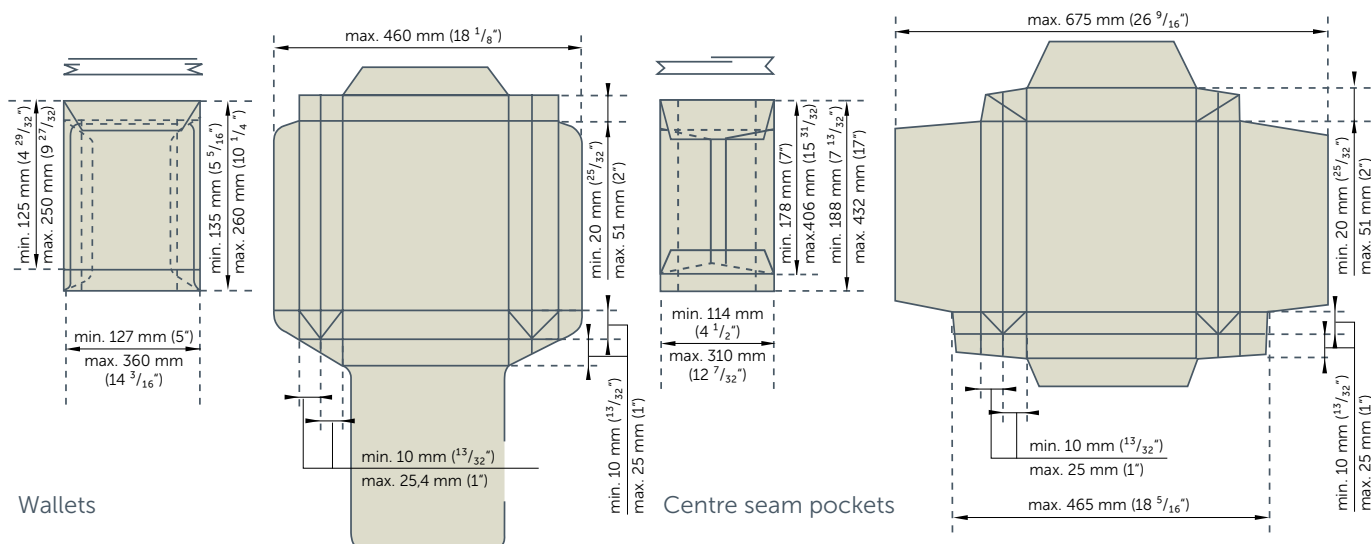


Side seam



Centre seam

Gussets

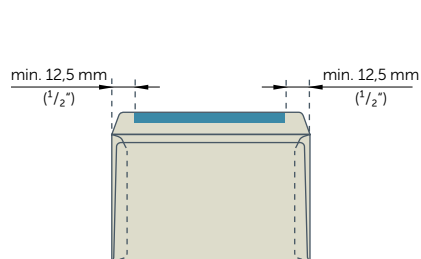


Wallets

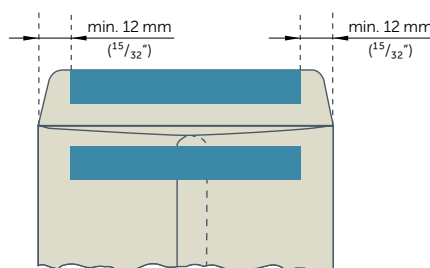
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Dimensions and formats

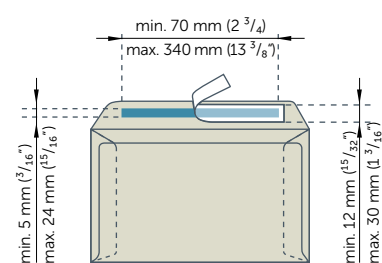
Seal flap gumming



Remoistenable gumming

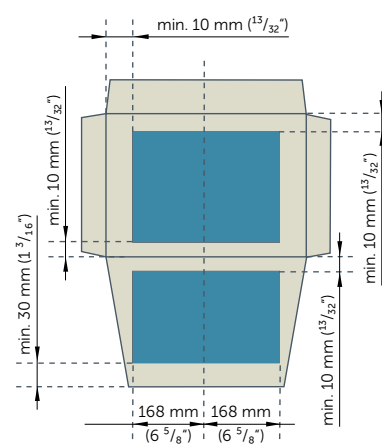
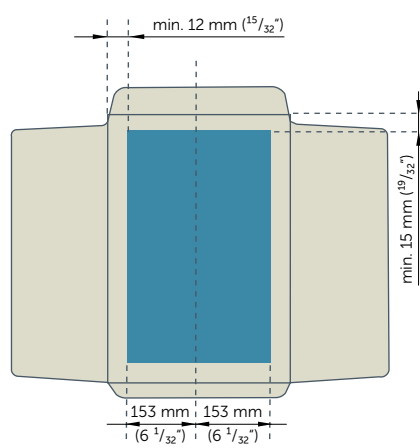
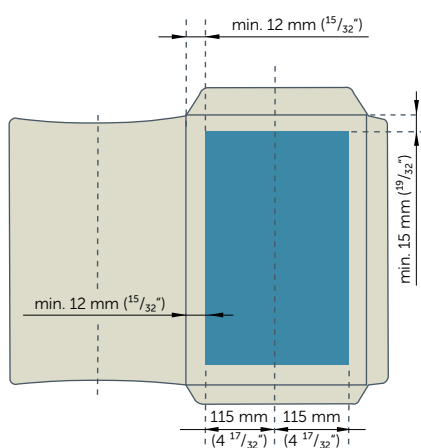


Self-seal gumming

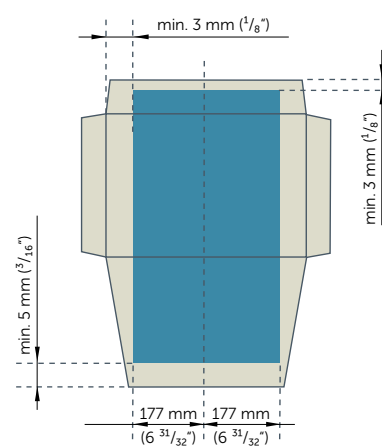
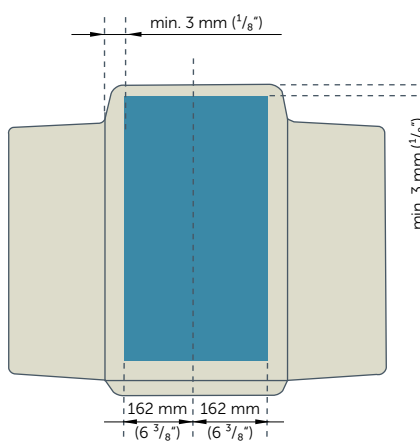
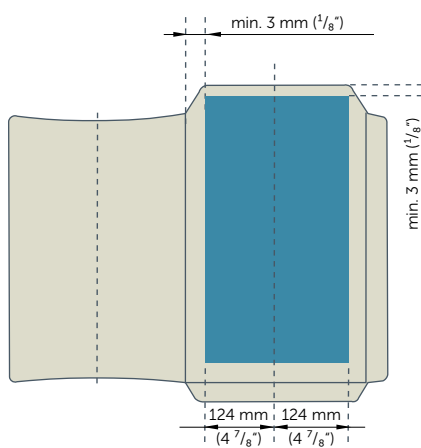


Hot-melt pressure-sensitive gumming

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
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")
Blank from sheet	Total lenght		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")
Dimensions and weight ①	Length		11,840 mm (38.8ft)
	Width		5,000 mm (16.4 ft)
	Height		2,800 mm (8.2 ft)
	Net weight		approx. 21,000 kg (approx. 46,000 lb)
Compressed air	6 bar		42 m ³ /h
Vacuum requirements	0,6 bar		1,060 m ³ /h
Blowing air	0,8 bar		405 m ³ /h
Connected load	Basic machine		114 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)

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.



W+D Locations

Winkler+Dünnebier GmbH

Sohler Weg 65
56564 Neuwied · Germany
t. +49 2631 840
info@w-d.de

POEM PreOwnedEnvelopeMachines GmbH

Sohler Weg 70
56564 Neuwied · Germany
t. +49 2631 345386
info.poem@w-d.de · w-d-poem.de

Winkler+Dünnebier GmbH

Location Bad Oeynhausen
Valdorfer Straße 3
32545 Bad Oeynhausen · Germany
t. +49 5731 7440
info.ins@w-d.de

W+D North America Inc.

11300 West 80th Street
Lenexa, KS 66214 · USA
t. +1 913 4929880
info@wdnorthamerica.com

W+D Asia Pacific Sdn. Bhd

(Co No: 762144A)
No: 860, 8th Floor, Block A2
Leisure Commerce Square
No: 9, Jalan PJS 8/9, 46150 Petaling Jaya
Selangor · Malaysia
t. +60 3 78654883
info@w-d.com.my

Our Brands

