

# **ESPER DM-230V** DIRECT MARKETING COLLATOR

IDEAL FOR POSTS, PRIVATE DISTRIBUTION COMPANIES, MAILING AND FULFILMENT HOUSES.



The unique Duplo Esper Direct Marketing Collator has been designed to meet the growing need for the gathering together of assorted direct marketing literature prior to distribution. Sets incorporating a range of different leaflets, brochures, replypaid postcards and many other printed advertising materials can all be reliably and quickly collated together in a wraparound cover ready for distribution. The Esper DM-230V is the ideal next step for businesses who are collating by hand today and wish to offer their customers 100% set integrity and a more professional & automated service; or for businesses who want to decentralise their production infrastructure in order to move closer to the point of delivery. The Esper DM-230V can also complement existing larger systems as a more productive solution for short runs.



# Easy and flexible installation

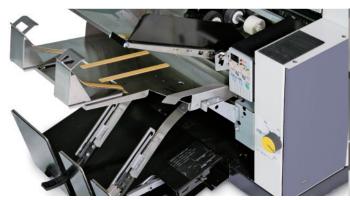
The small foot-print of the Esper DM-230V means it can be easily located in most environments. In addition, there are no particular health and safety issues which need to be taken into consideration such as noise or power. The DM-230V generates just 76.6 db of noise during operation and in terms of power, it only draws 1.1kw during operation.

The comparatively low procurement cost and compact size of an Esper DM-230V unit means that a user can invest in multiple units rather than one larger single system. This offers the advantages of flexibility in terms of: being able to locate the units more easily; cater for changes from centralised to decentralised production; and in the unlikely event of any downtime issues, having multiple modules rather than a single large system, provides built-in back up, so you can still get the job out the door!

MAIN AREA BI	N SET	SENSOR OFF	Time 14:02			
Area Quantity Setting						
Select Page 🧹 🚺 Page >						
Area Qty. Orde	r Bin Set	Total Area	Qty. 15			
1 5 1	1	2	3 Add			
ADDLESTONE	4	5 6	S Set			
WEYBRIDGE	7	8 9	Clear Status			
3 5 3 GUILDFORD	0		Clear Order			
4 0 0	A	В	Clear Bin Set			
		~	Bin Set List			



The Esper DM-230V is ideal for both short and long runs. Loading each bin is fast, with jobs being ready to run in just a matter of minutes. Operating at speeds of up to 9,000 sets/hr, the Esper DM-230V is designed for the fast production turnaround required in direct marketing campaigns. Productivity is further enhanced by a 'Load-on-the-Run' facility - meaning no down time. The 'Cascade Function' can be programmed, to handle large volumes of a few inserts as well as thicker folded stocks, so that productivity is maintained. This is achieved by the next bin feeding as soon as the previous bin empties.



Reject Tray

Job Set-Up Screen

Job File Transfer Screen



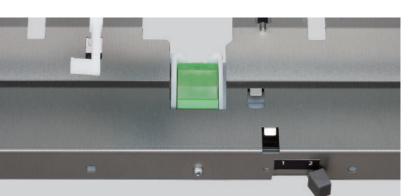
#### Simple operation

The Esper DM-230V couldn't be easier for operators to learn and use. Its user friendly features include: a colour LCD touch screen control panel; frequently used functions repeated on the sides of the collator for convenience; and LED indicator lights on each programmable bin to advise of the feeding status at any given moment. A paper separator slide on each bin enables a fast & simple changeover from thin to thicker documents, and each bin can be completely removed, for ease of cleaning and jam clearance. The Esper also comes with a stacking and elevator unit, the DM-SE, which provides easy and convenient unloading for the operator. Each completed set is conveyed to the stacker which automatically raises a pre-defined quantity of completed sets to a convenient height – adjustable by the operator – for unloading. The Esper's Job File Transfer software enables customers to link their job data to an Excel spreadsheet, which in turn can then be downloaded onto the Control Panel for automatic job set-up.



#### **Reliable feeding**

The Esper DM-230V has been professionally designed and engineered to ensure the accurate feeding and delivery of sets time after time. The patented 'Just Timing' function using independent feeding motors, aligns the edges of each sheet prior to feeding, ensuring consistent pick-up of even the most awkward stocks. Detectors throughout the system constantly monitor the operating condition of each bin: in the case of a bin empty, paper jam or stack full condition arising, the DM-230V will automatically stop and a buzzer will sound; "near-empty" detectors give the operator advanced warning to reload bins; and when a misfeed is detected, the incorrect set is automatically diverted into a builtin reject tray, allowing the machine to run uninterrupted, thereby further increasing productivity. The wraparound cover station is fitted with ultrasonic double detection, so that personalised documents or invoices can be fed errorfree.





Paper Separator Slide

DMSE Stacker/Elevator

## **Technical Specification**

### Esper DM-230V Collator

Dimensions (D×W×H)	765×1383×1983 mm	Features	Paper feed timing function;
Weight	483 Kg	reatures	Test feeding function; Fold
Power Supply	220-240 V 50 Hz		timing function; Paper feed bin sequence and single function;
Power Consumption	4.2 A, 880 W		Paper receiving mode; Bin by bin
Noise Emission	76.6 dB		processing quantity; Bin problem display; Paper eject function;
Processing Speed	9,000 sets / hr		Low speed forward and reverse; Folding plate open / close, remove and insert function.
Number of Feed Bins	23		
Paper Size	Post card (100 x 150 mm) to A3 (297 x 420 mm). Cover bin: B5 (182 x 257 mm) to B3 (364 x 515 mm).	Detection	<b>Paper Feed Unit:</b> No paper; Misfeed; Jam; Missing document; Near-empty; Ultrasonic double sheet (on cover station only);
Paper Type	<b>Standard bins:</b> single sheets; folded sheets; booklets <b>Cover bin:</b> single sheets; folded sheets		Paper Feed Shaft: Remove and insert; Paper feed unit slide detection. Conveyance Section: Vertical
Bin Capacity	Approx. 60mm*		jam; Ejected paper jam. <b>Folding guide:</b> Front; Centre; Back; Bottom guide open. <b>Other:</b> Overloading; Inverter
*Extended by 'Cascade' and 'Lo	ad-on-the Run' features.		problem; Communication error.

Options

Recollating Bin Kit (for thicker documents) 470mm Extension Tray (for 100mm bin capacity) Ultrasonic double feed detection bin (for single sheets)

### DM-SE Stacker/Elevator

Capacity	70-120mm	Control Method	On-line with DM-230V
Dimensions ( $W \times D \times H$ ):	1,183 x 673 x 1024 mm	Operating Modes	Manual; Semi-automatic; Fully automatic
Weight Power Supply	45.5 Kg 220-240 V 50Hz	Elevator Descent Method	Automatic; 0.5 seconds after sets removed.
Power Consumption	0.3 A, 45 W	Elevator Height	Adjustable: – 700-800 mm from
Noise Emission			the floor
		Detection	Elevator, level plate



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