

## Technical Specification

### Esper DM-230C Collator

Dimensions (DxWxH)	765x1383x1983 mm
Weight	483 Kg
Power Supply	220-240 V 50 Hz
Power Consumption	4.2 A, 880 W
Noise Emission	76.6 dB
Processing Speed	9,000 sets / hr
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).
Paper Type	<b>Standard bins:</b> single sheets; folded sheets; booklets <b>Cover bin:</b> single sheets; folded sheets
Bin Capacity	Approx. 60mm*

\*Extended by 'Cascade' and 'Load-on-the Run' features.

### Options

Recollating Bin Kit (for thicker documents)

470mm Extension Tray (for 100mm bin capacity)

### DM-SE Stacker/Elevator

Capacity	70-120mm
Dimensions (W x D x H):	1,183 x 673 x 1024 mm
Weight	45.5 Kg
Power Supply	220-240 V 50Hz
Power Consumption	0.3 A, 45 W
Noise Emission	59 dB

<b>Features</b>	Paper feed timing function; Test feeding function; Fold timing function; Paper feed bin sequence and single function; Paper receiving mode; Bin by bin processing quantity; Bin problem display; Paper eject function; Low speed forward and reverse; Folding plate open / close, remove and insert function.
<b>Detection</b>	<b>Paper Feed Unit:</b> No paper; Misfeed; Jam; Missing document; <b>Paper Feed Shaft:</b> Remove and insert; Paper feed unit slide detection. <b>Conveyance Section:</b> Vertical jam; Ejected paper jam. <b>Folding guide:</b> Front; Centre; Back; Bottom guide open. <b>Other:</b> Overloading; Inverter problem; Communication error.

<b>Control Method</b>	On-line with DM-230C
<b>Operating Modes</b>	Manual; Semi-automatic; Fully automatic
<b>Elevator Descent Method</b>	Automatic; 0.5 seconds after sets removed.
<b>Elevator Height</b>	Adjustable: - 700-800 mm from the floor
<b>Detection</b>	Elevator, level plate

**Duplo**<sup>®</sup>  
Automated Precision

# ESPER DM-230C DIRECT MARKETING COLLATOR

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

Productive, compact, versatile, reliable and accurate  
Wide range of document handling  
Fast and simple set-up  
Integrated wraparound cover station  
Small foot-print  
2-3 operators  
23 feeding stations  
Up to 9,000 sets per hour  
Low energy consumption  
Low noise



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Ref: DM230/08/12

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, reply-paid postcards and many other printed advertising materials can all be reliably and quickly collated together in a wrap-around cover ready for distribution.



### Simple operation

The Esper DM-230C 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. 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. For invoices and other personalized documents, there is also an optional detection kit to ensure 100% set integrity.



### Reliable feeding

The Esper DM-230C 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-230C 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 built-in reject tray, allowing the machine to run uninterrupted, thereby further increasing productivity.

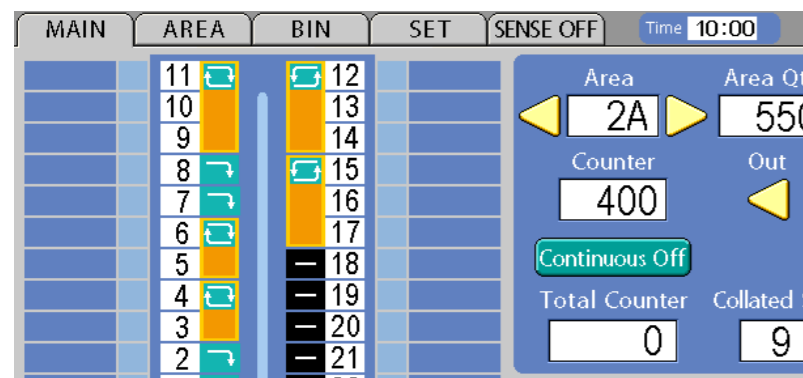
## Easy and flexible installation

The small foot-print of the Esper DM-230C 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-230C generates just 76.6 db of noise during operation and in terms of power, it only draws 1.1kw during operation.

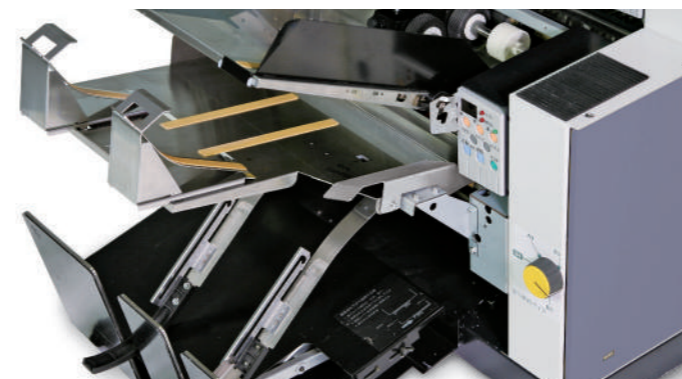
The comparatively low procurement cost and compact size of an Esper DM-230C unit means that a user can invest in multiple units rather than one larger single system. This offers the advantages of flexibility in terms of: being able to locate the units more easily; cater for changes from centralised to 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!

## Fast turnaround

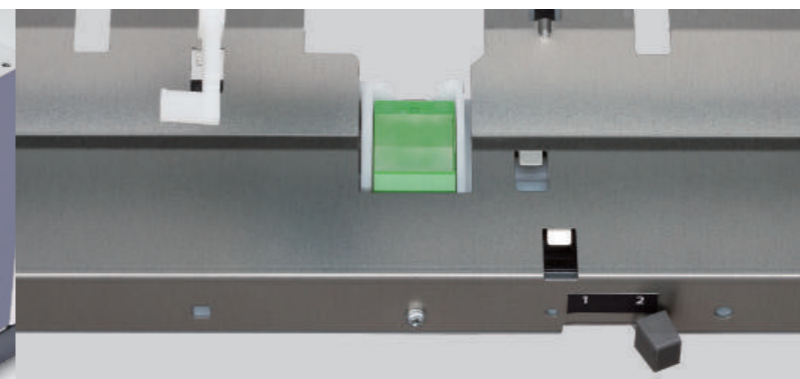
The Esper DM-230C is ideal for both short and long runs. Loading each bin is fast, with jobs being ready to run in just a matter of minutes. Operating at speeds of up to 9,000 sets/hr, the Esper DM-230C is designed for the fast production turnaround required in direct marketing campaigns. Productivity 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.



Colour LCD Touch Screen Control Panel



Reject Tray



Paper Separator Slide



DM-SE Stacker/Elevator and completed sets