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## Technical specifications

	DCM-45	DCM-75
Manual feeder	■	■
Suction feeder	■	■
Deep pile feeder	■	■
Optional stream delivery	■	■
Pile stacker	■	■
Roller pressure adjustment	■	■
Maximum infeed width	17,7"	29,5"
Minimum infeed width	3,9"	3,9"
Number of creasing shafts	4	4
Diameter of the shafts	1,4"	1,4"
Speed	up to 30'000 sheets 11" / h	up to 25'000 sheets 11" / h
Weight of creasing module	121,2 lbs	176,3 lbs
Power Consumption	230 V, 50 – 60 Hz / 115 V, 60 Hz	230 V, 50 – 60 Hz / 115 V, 60 Hz
Dimensions	47,2" x 24" (manual feeder) 51,1" x 24" (suction feeder)	51,1" x 35,8" (manual feeder) 90,5" x 39,3" (deep pile feeder)
	90,5" x 27,5" (deep pile feeder)	

## Finishing accessories by Tech-ni-Fold

A wide range of tools are available from the UK manufacturer Tech-ni-Fold, all to suit the DCM-creasing machines. This range includes tools for:

- creasing
- micro-perforating
- kiss-cutting
- cutting.



**Tri-creaser Easy-Fit**  
 Instant crease style change.



**Spine & Hinge Creaser**  
 Close proximity creasing solution for perfect bound books.



**Micro-perforator**  
 Produce fine, die quality micro-perfs with this powerful accessory.



**Kiss-Cutting tool**  
 Produce highly accurate semi-slitting on self adhesive materials and heavy stock materials.



**Multi-tool**  
 Keeping work away from the guillotine & cylinder.

## Creasing & Micro-Perforating Machine

DCM-45 & 75



### 1 | Sheet registration for wide format

To achieve a perfect sheet registration, a special infeed belt has been designed. This allows to run wide formats such as triple 11" sheets at a high accuracy.



### 2 | The heart of the DCM

To offer more possibilities and flexibility, the DCM-creasing machines are equipped with four creasing shafts (2 pairs). This also allows the customer to perform separate jobs at the same time: creasing, micro-perforating, kiss-cutting, cutting.

### 3 | The counting and control solutions

Two different counters are available for the DCM. The simple batch counter EF-110 is recommended for standard applications.

The model EF-2100 offers in addition to the EF-110 the ability for the operator to create a gap between each sheet, allowing more control for each job.



**MBO, the name for more flexibility in production!**

**Creasing and Micro-Perforating Machine DCM-45 & 75**

The MBO DCM-45 & 75 is an industrial, high performance creasing and micro-perforating machine. The main benefit is using two pairs of creasing shafts, which offer wide versatility for different jobs. The machine is of a heavy-duty construction and to avoid flexing, the shafts have been manufactured out of 36 mm diameter steel. Two pairs of shafts also allow the operator to fit several tools, which allows for more flexibility by positioning each tool to give a min. crease/perforating

width of 0.2". When heavier paper stocks from 130 lb cover – 180 lb cover need to be creased, then 2 creasing tools can be positioned "in line", resulting in a much sharper finish.

Two different models are available, the DCM-45 (17,7") and the DCM-75 (29,5"). Like all MBO products, these machines may be equipped with different feeders, depending on the customer's choice. As a cheaper entry level, both models may be operated with a manual infeed device. The DCM-45 can also receive the standard, bottom fed vacuum feeder and both, the DCM-45 & 75

can run with a deep pile feeder for high volumes.

Both models come supplied with an outfeed delivery tray. To allow for continuous production both the MBO electric conveyor and stacking devices are available as optional extras.

As a consequence of MBO's modular system, the DCM-45 & 75 may be combined directly online with a plate or knife folding device (model MKF-35) and also in conjunction with products from several manufacturers.

To achieve high speed in production (up to 30'000 sheet per hour), two professional feeders are available. These are the standard bottom fed vacuum feeder and the high pile top feeder enabling long runs to be performed. MBO offer an upgrade path, whereby all models can be simply upgraded as and when the customer needs require.

**1 | Online applications:**

The different infeed solutions such as the straight infeed belt or the side lay register table allow the DCM-creasing machine to be incorporated online to both MBO and other manufacturers equipment. The sheets will be received directly from the output-side of the previous machine.

**2 |** The DCM-creasing machines can be run in combination with folding machines. Different infeed systems are available to run the DCM online to MBO's plate and knife folders. Online applications with other manufacturer's folders are also possible.



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**The different infeed solutions:**

**1 | Manual feeder**

Both models can be equipped with a manual infeed device. This option keeps the initial cost low, whilst still allowing the customer to produce high quality jobs. The possibility to upgrade is available at all times.

**2 | Suction feeder**

The DCM-45 is supplied as standard with a bottom fed vacuum feeder, giving a professional finish with a high production output (not available for DCM-75).

**3 | Special infeed devices**

Depending on the application (on- or offline), several infeed devices are available such as side lay register table, straight infeed belt and roller conveyor.

**4 | Deep pile feeder**

For long run and high volume jobs, the deep pile feeder may be recommended. MBO's deep pile feeders can handle products up to 180 lb cover.



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