

## Technical specifications

Minimum infeed width	3,9"
Maximum infeed width	13,7"
Minimum folding length	2,3"
Maximum folding length	9,4"
Minimum sheet size	3,9" x 4,7"
Maximum sheet size	13,7" x 19,6"
Production speed	Up to 15'000 cycles/h
Type of folding rollers	Combination rollers (steel/rubber)
Fold roller adjustment	Yes, to be adjusted to the product's thickness, spring loaded
Maximum thickness	0,07" – 0,1", depending on the flexibility of the product
Compatibility	To be combined with all MBO feeders and paper transfer conveyors. Online use with a number of other machines and equipment
Use	Parallel- and cross folding (right angle)
Weight	198,4 lbs, including stand
Power supply	230 V, 50 – 60 Hz / 115 V, 60 Hz
Dimension	19,9" x 20,8" (without feeder and delivery)

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## The Modular Knife Folder

MKF-35

**1 | Adjustments of the machine**  
 The operation of the MKF-35 is easy. The length of the fold adjusts by a simple dial with an integrated millimeter scale. The backstop is equipped with a skew adjustment. All other functions are fully automated and self controlled.

**2 | Heavy and solid construction**  
 The MKF-35 knife folder is of a heavy and sturdy construction. Combination rollers assure an accurate folding process. The roller pressure is adjustable. The MKF-35 has been designed to achieve an accurate and professional finish, together with high productivity for a long working life.

**3 | Counting and control solution**  
 This control unit EF-2100 is required for all stand alone applications using the bottom fed vacuum or deep pile feeding devices. To operate the knife folder, the sheet spacing feature is also required. Other features include: Total and batch counting.



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

**The Modular Knife Folder MKF-35**

The MBO modular knife folder MKF-35 is an extremely flexible solution for the folding of paper stocks and weights up to 0,1" in thickness Cardboard, greeting cards, booklets, folded sheets and leaflets can all be easily and precisely folded. It's unique design allows the machine to be used on-line to all of the MBO's folding and creasing machines as well as with machines from other manufacturers. To respond to the different requirements, a choice of five infeed systems are available.

The MKF-35 may be used as a parallel or a right angled folder. In combination with the correct infeed device and a height adjustable stand, it can be used as a versatile folder in combination with different applications.

Together with a standard vacuum or a deep pile feeder, the MKF-35 runs as a stand-alone parallel folding device. As soon as a belt or roller infeed conveyor is applied, the machine can run products on-line from another unit. This same configuration offers the possibility of some online applications with machines other than the MBO products.

Possible online applications are with creasing machines, endless form cutters, digital printers and booklet makers of any type.

The MKF-35 is equipped with adjustable, heavy duty spring loaded combination rollers to achieve accurate and precise folding of difficult an thick products.

The modular knife folder MKF-35 is a multifunctional product which offers a great variety of different solutions. No other knife folder in the market is as versatile and multifunctional as MBO's modular knife folder MKF-35.

**Multifunctional and modular**

The use of the MKF-35 knife folder is highly versatile and adaptable unit. When cross-folding it can be simply wheeled up to the suction folder or to a booklet maker. This productive and mobile unit also enable it to be used as a standalone parallel folder to produce greeting cards. No other products in the market are as multifunctional as MBO's knife folder MKF-35.

**1 | Online to a DocuCutter**

A realistic online application is the DocuCutter from Duplo, which will Slit/Cut/Crease in one single pass. Final folding of the cards (up to 2 5,8" cards) is achieved by simply positioning the MKF-35 to the out-feed device.

**1 | Online to a booklet maker**

A very common application is the on-line use to a booklet maker from most manufacturers. Heavier stocks can be feed in two separate directions: Inline (parallel folding), right angle to the left and right (cross folding).

**2 | Online to a folding machine**

One of the most popular application is the online use to an existing folding machine. The MKF-35 would be the ideal solution to fold 8 or 16 page sections.

**3 | Online to a creasing machine**

The use of the MKF-35 knife folder is highly versatile. This application shows the combination with a creasing machine to fold greeting cards.



**1 | Roller infeed device**

For cross applications with folding machine, the roller infeed device is used as the standard infeed solution to fold 8 or 16 page sections. Available as a right or left hand version.

**2 | Straight infeed belt**

This device has been developed to enable the feeding of heavier weights and paper stocks such as booklets, cardboard and folded leaflets. The straight infeed belt aligns and controls the products during transportation and folding.

**3 | Straight infeed belt with sheet transfer**

The motorized sheet transfer belt is the solution to receive products from another machine in a right angle, from the left or the right hand side.

**4 | Two vacuum feeders**

Two vacuum feeders are available for the knife folder MKF-35. The bottom fed vacuum feeder is used for standard applications, the deep pile feeder for high volumes and long run jobs.

