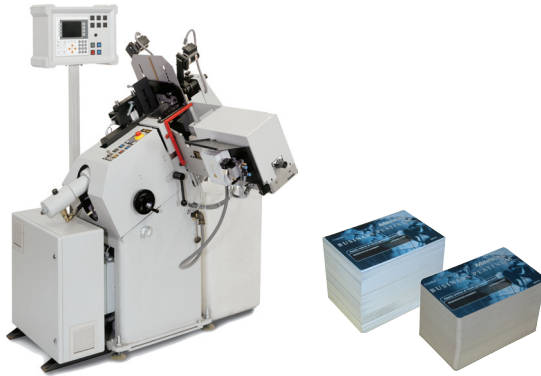


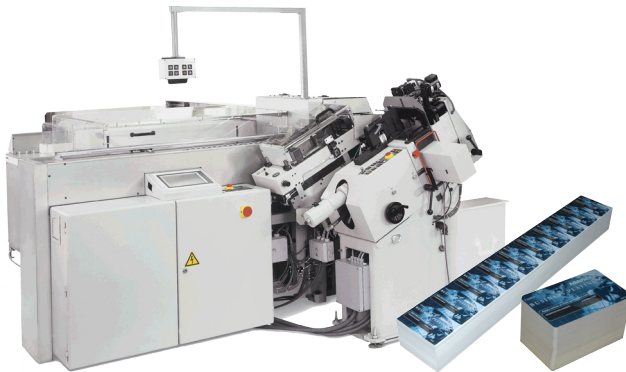


The modular Atlas System

Modular system for cost-effective high-volume productions



The D-18.M (die-cutting) is the basic model of the modular Atlas systems.



The Atlas 1120 (cross-cutting, die-cutting) has substantially increased the efficiency of many card producers.

... check the performance ...
the high die-cutting solution

- Phone-, loyalty-, membership- and gift - cards, tickets and more
- Most efficient way to produce non-secure cards
- Output up to 400'000 cards/hour
- Modular system

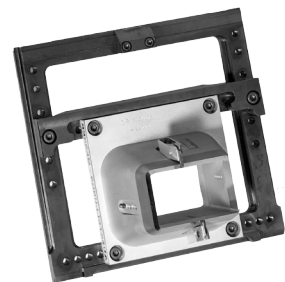
In recent years Blumer's competence in the area of die-cutting has been applied increasingly and very successfully to the die-cutting of primarily „non-secure“ cards such as phone, loyalty and gift cards. Thanks to the Blumer process it is possible to die-cut stacks of 100 to 500 cards (depending on the card thickness, up to a max. stack height of approx. 120mm) in one stroke, and this in top quality irrespective of whether cardboard or plastic materials are concerned. Hereby the card thickness is of no importance, i.e. even the thinnest materials can be processed successfully with this equipment.

Being of a modular structure, the ATLAS System enables an investment in steps to suit the particular capacity requirements. The ATLAS D-18.M (die-cutting) is the basic model of all automatic Blumer ATLAS systems. It is charged manually with pre-cut rectangular stacks, while the ATLAS 1120 (cross-cutting and die-cutting) works from strips. This permits to reduce the cutting effort, since sheets just need to be cut into strips rather than stacks. The cross-cutting process is carried out on the ATLAS 1120 and the cut stacks are then automatically fed to the die-cutting unit (D-18) where they are die-cut.

The Blumer ATLAS system offers entirely new possibilities also where different shapes are required.

Atlas Dies

Dies for the high die-cutting process are substantially less expensive than the conventional punching with male/female dies which are mostly used in card production.



Criteria	D-18.M	Atlas 1120 SE
Strip sizes - Strip length min./max. - Strip width min. / max.		160 / 1130 mm 45 / 180 mm
Card size - Precut card size min. - Precut card size max. - Die-cut size min. - Die-cut size max.	25 x 45 mm 150 x 180 mm 20 x 40 mm 145 x 175 mm	25 x 45 mm 150 x 180 mm 20 x 40 mm 145 x 175 mm
Others - Stack height min./max - with kit press bar (optional) - Min. trim (waste) per side for die-cut - Intermediate trim cut - Trim cut / first cut - Rest cut / Final cut (gripper) - Machine stroke max. / minute - Machine control and HMI - Electrical connection - Required compressed air supply incl. 30% reserve - Floor layout of the machine - Weight net / gross	30 / 120 mm -- 2 mm -- -- -- 8 - 16 (depends on machine operator) Microprocessor, Touch Screen 3 x 400 V PNE, 3.2 kW 6 bar dry air, 8 m3/h 1500 x 1300 mm 550 / 800 kg	45 / 120 mm 35 / 120 mm 2 mm 3 - 50 mm 3 - 50 mm 25 - 50 mm 12 - 18 Microprocessor, Touch Screen 3 x 400 V PNE, 7.2 kW 6 bar dry air, 28 m3/h 4900 x 3900 mm 1700 / 2400 kg

Material:
Cardboard / 0.40 mm

Material Manufacturer:
MeatWestvaco

Material:
Genotherm CCM / 0.45 mm

Material Manufacturer:
Klöckner Pentaplast