

## Data Sheet: Dynamic micro perforator DMP-100/101

The Smart-binder DMP-100 (or DMP-101) dynamic perforator can perforate any sheet at any place based upon a barcode input. All perforations run parallel to the folded sheet edge (booklet spine).



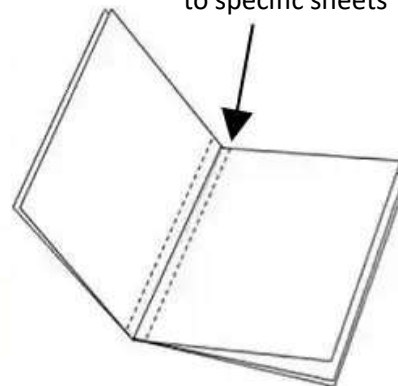
The DMP-100 comes with 2 perforation rotary knives and the DMP-101 has 4 perforation rotary knives. Each rotary knife is activated by a single extra digit in the standard IBIS sheet barcode, so that each side of the sheet can be perforated (or not) on command.

A variety of different perforation rotary knives are available ranging from micro-perf, up to a very coarse-perf. The DMP makes it easy to incorporate selective "pull-out" sheets into the finished booklet.

DMP Dynamic Perforation Unit mounted between the infeed conveyor and the scoring module



Perforation lines allow any sheet to be easily torn-out. May be applied selectively to specific sheets



### **IBIS Customized Finishing Solutions**

IBIS Integrated Bindery Systems Limited, 9 The Gateway Centre, Coronation Road, Cressex Business Park, High Wycombe, HP12 3SU, UK. Tel.: +44 (0) 1494 561 950 Fax: +44 (0) 1494 561 951

Email: [info@ibis-bindery.com](mailto:info@ibis-bindery.com)

Web site: [www.ibis-bindery.com](http://www.ibis-bindery.com)

Company registered in England, number 03703149. UK VAT Registration number 697 9379 42

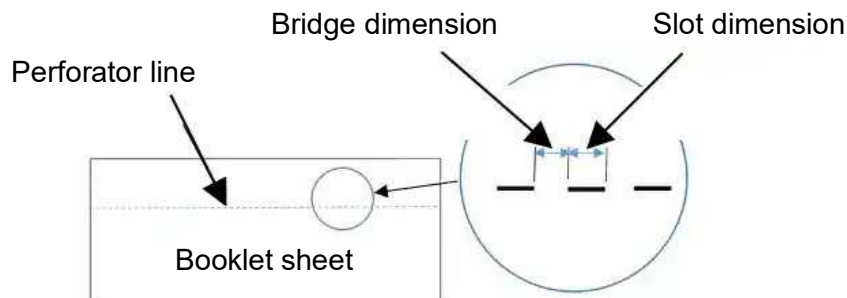
DMP-100 Rotary perforator knife actuators



### Rotary perforation knife options

Normal Perf	Part No. F314052 (Slot=1.70mm, Bridge=1.00mm)
Micro Perf	Part No. F314358 (Slot=0.28mm, Bridge=0.23mm)

The slot is the perforator cut and the bridge is the distance between cuts, as shown below:



The DMP-100 module adds 320mm to the length of the Smart-binder system and requires a 5-bar external high-pressure air supply. The minimum distance from the perf line to the sheet center-fold is 6mm (0.24”).

### Floor Plans

Floor plan of Smart-binder with DMP-100 perforator [HERE](#)

Floor plan of Smart-binder with DMP-100 and SB-097 sheet pile feeder [HERE](#)

### Videos

Sheets passing through the DMP-100 module and being perforated [HERE](#)

Selective tear-out sheet provided by the DMP-100 perforator module [HERE](#)

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