

Lhermite®

EX380-610-700

AUTOMATIC PUNCHING MACHINES



EX with conveyor delivery

JB
JAMES BURN
INTERNATIONAL
Standex company



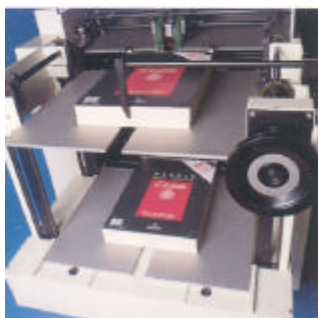
EX380-610-700 AUTOMATIC PRECISION PUNCHING

The James Burn EX range of Lhermite Automatic Punching machines is designed to accommodate the widest possible punching applications simply, efficiently and at very high output speeds.

The ergonomic layout of EX machines means permanently easy access to the work, regardless of its position during the punching cycle.

The work flows in only one direction ensuring accurate, and continuous sheet control.

Changeover from one sheet size to another is simple, taking only a few minutes.



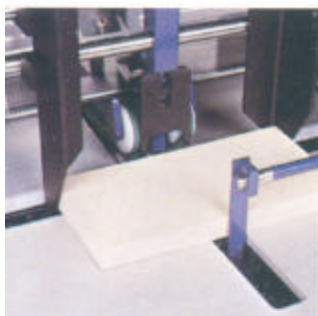
Tray Feed

Sheets are fed from the top of the stack via lightweight aluminium trays, which rise automatically.

The paper can be loaded continuously without stopping the machine.



Pick-up Beak



Board Feeder

EX machines not only handle loose sheets efficiently, but with simple attachments can be adapted to accommodate boards, calendar backboards, etc. of over 1mm thickness.

For boards a bottom-feed system is used.

The wide variety of punching specifications, perforations and shapes which can be undertaken, makes the 'EX' range the ideal choice for book-binders, printers and paper convertors alike.

- Three models (for up to 380, 610 or 700mm sheets)
- Three styles (to punch anywhere on the sheet)

Controls consist of various safety cut-outs, an on/off switch and an inching button to facilitate setting up. A variable speed control is also fitted, which should be set according to the paper stock being fed.

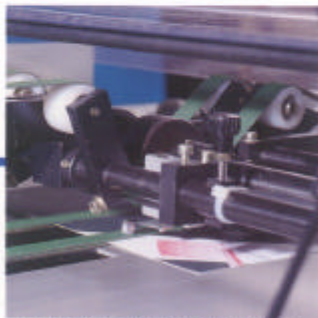
The machine is attractively finished in beige and has



Air blowers gently separate the rising sheets ready for the pick-up beak. This can be adjusted to take between 3 and 30 sheets at one bite. A safety switch checks the maximum bite passing through the machine.

The sheets are automatically aligned laterally and longitudinally. Upon entry into the punching tool, a further safety cut-out checks for misfeeds.

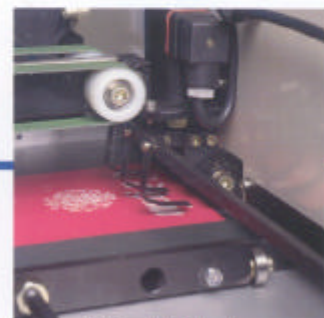
A rapid changeover from one paper size to another is facilitated by a simple, fine adjustment procedure. The back-stops have a micrometric adjustment, thus ensuring perfect registration at all times.



Punching Thickness Sensor



Sheet Alignment



Misfeed Detector

removable see-through covers to allow easy access. Installation only takes a few hours and operator training time is minimal.



EX with deep pile reception after turnover

The punching tool is robustly constructed and is simply inserted and clamped into position. The pins can be easily and quickly removed. Non contact of transport bands during punching ensures unmarked sheets.

After punching, the sheets continue and are turned over by means of a drum to retain their pre-collated sequence.



Tool Removal



Turnover Drum



High Pile Reception



Jogger

Discharge can be to a standard vibrating jogger, a variable speed conveyor or a deep pile reception unit after turnover. If the sheets do not have a collated sequence, such as for pre-punched photocopier or reprographic paper, then a high pile reception unit without turnover is available as a factory fitted option

EX machines are now in continuous use throughout the world punching and perforating such diverse items as:-

- Calendar sheets and Backboards
- Binding Systems (Wire-O®, spiral or plastic)
- Loose Leaf fillers (such as Mult-O®, 4 ring etc.)
- Index Cards
- Tabs and Registers
- Accounting Sheets
- and many other special applications.



Conveyor

*Wire-O®
binding
technology
at your
fingertips*

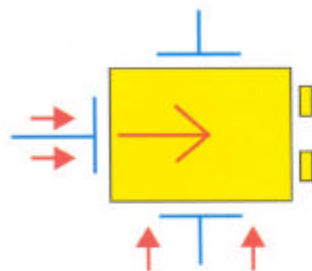
ADVANTAGES

1 Choice of 3 models

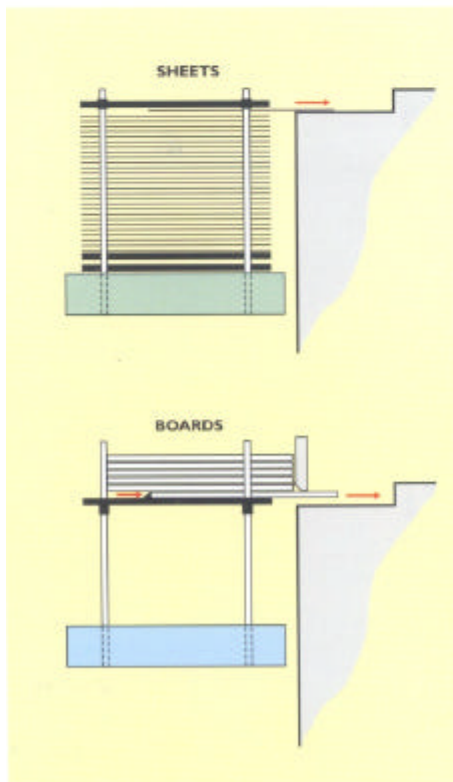


2 Single direction work flow with easy access

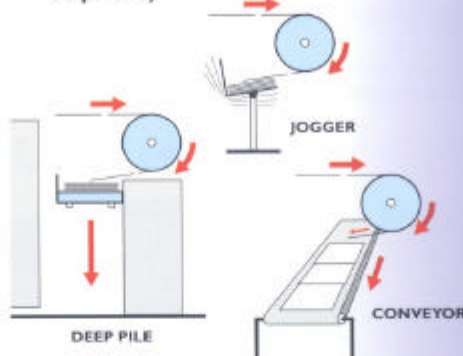
3 Automatic sheet alignment with micrometric adjustment



4 Feeder options (Sheets or Boards)



5 Discharge options (to maintain collated sequence)



6 Discharge option (for uncollated work)



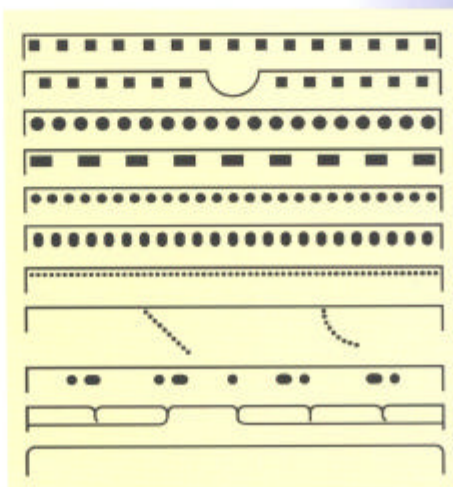
7 Thickness and curled sheet detectors

8 Non-contact of transport bands during punching ensures unmarked sheets

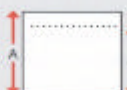
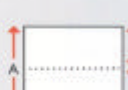


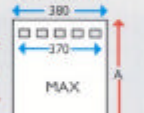
9 Quick installation and training

10 Punching anywhere along the sheet (See options on rear page)

11 Wide variety of tools



*Wire-O®
binding
technology
at your
fingertips*

				Top Punching			Centre Punching			Bottom Punching		
												
				A	B	C	A	B	C	A	B	C
				MIN	MAX	MIN	MIN	MAX	MIN	MIN	MAX	MIN
EX380/380 				EX380/530 								
EX380/380				95	380	- 30	95	190	380	- 210	95	95
EX380/530				65	380	- 10	65	N/A	N/A	-	N/A	N/A
EX380/530				95	530	- 30	95	190	530	- 300	95	95
EX610/530				95	530	- 30	95	190	530	- 300	95	95
EX610/700				95	700	- 30	95	N/A	N/A	-	N/A	N/A
EX700/530				210	530	- 30	210	210	530	- 530	95	210
EX700/700				210	700	- 30	210	N/A	N/A	-	N/A	N/A

A = Sheet length (min/max) (mm)
B = Front to top of perforation (min/max)
C = Bottom of perforation to backlay (min)

Special requirements for 'CP' or 'BP' options:

Dimension 'B' if greater than 50mm
 - a special ejection device (behind the tool holder) is required.

Dimension 'C' if less than 95mm - special side
 lay guides (behind the tool holder) special tools
 and pusher are required.



James Burn International
 (Head Office)
 Douglas Road, Esher,
 Surrey, KT10 8BD, UK.
 Tel: +44 (0) 1372 466801
 Fax: +44 (0) 1372 460151

James Burn International
 (Northern Office)
 Cannon Way,
 Barugh Green,
 Barnsley, South Yorkshire,
 S75 1JU, UK.
 Tel: +44 (0) 1226 380088
 Fax: +44 (0) 1226 388110

Offices Also in:
 Hamburg, Madrid,
 New York, Paris
 and Singapore.

	380/380	380/530	610/530	610/700	700/530	700/700
Speed - Max. cycles per min.	140	120	120	60	80	60
Maximum Bite/Punching Thickness	Adjustable up to 2.5mm (depends on paper stock)					
Production Output	Depends on size and stock of paper being punched but will be less than the maximum cycle speed.					

FORMAT CHANGEOVER TIME
 TOOL CHANGEOVER TIME
 TOOL REMOVAL AND PUNCH CHANGE TIME
 POWER REQUIRED
 ELECTRICAL CURRENT

5 TO 15 MINUTES
 2 MINUTES
 15 MINUTES
 2.5 KW
 220/380 volts 3-phase 50Hz (or 60Hz)

EX TYPE	380/380	380/530	610/530	610/700	700/530	700/700
Machine Dimensions	2.35 x 1.04 x 1.4	2.5 x 1.04 x 1.4	2.5 x 1.32 x 1.4	3.4 x 1.42 x 1.4	2.8 x 1.42 x 1.4	3.4 x 1.42 x 1.4
Packed Dimensions	3.2 x 1.4 x 1.9	3.2 x 1.4 x 1.9	3.2 x 1.6 x 1.9	3.65 x 1.5 x 1.75	3 x 1.5 x 1.75	3.65 x 1.5 x 1.75
Nett Weight (approx)	1050kg	1200kg	1200kg	1500kg	1500kg	1600kg
Gross Weight (approx)	1200kg	1350kg	1400kg	1800kg	1740kg	1800kg