



## SPECIAL PURPOSE SYSTEMS FOR BOOK BINDING

for finishing of Hard-Cover/Perfect-Bound Books, Diaries, Dictionaries & Directories etc.

### Edge Squaring Press

Ever since the process of Spine (*Edge*) Squaring the Centre Stitched / Sewn books was introduced and accepted by the Converters / Stationery Manufacturers, there has been no looking back. 'JOY' launched its first machine in size 310mm (*In the year 1999*) followed by 410mm thereafter 520(2002), 610mm & 650mm(2003), 1020mm(2005), 800mm(2007), 920mm(2008), 460mm, 710mm & 850mm (2012).

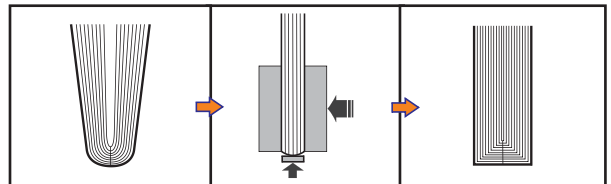


A constant dialogue with our customers, to satisfy the need of production requirement has resulted in the Squaring Press to handle 3 or 4-UP Exercise Note Books upto a width of 1020mm. 3or4 sets of Exercise Note Books (*Composition Books/centre thread-sewn or centre wire-stitched*) with heavy duplex board as title can be processed in less than 3/4secs. Productivity of over 9000 (*1000x3x3*) or 12000 (*1000x4x3*) Exercise Note Books per hour can be achieved with little or no training.

The system can be operated in Manual, Semi or Auto modes. The squaring mechanism can also operate in single or double stroke/s. The squaring finish can be precisely set to meet exacting requirements. The clamping and squaring pressure can be adjusted to suit the paper/ board and thickness of the Note Books.

Safety precaution -Emergency Switch aborts the Operating Cycle and opens the Moving Platen to reset position in case of an accident. Intricate built-in Safety Device protects the fingers of the operator. Power Saving feature ensures the motor switches off automatically after Pre-set delay time (*incase the recycle function is not activated*).

The high speed Blower / Exhaust Fan ensures the ambient temperature in the Power Pack Area is maintained for consistent production and longer life of Rubber hoses /seals & hydraulic components etc. PLC based control panel for sequencing, optimum reliability and simplified diagnostics. Castors are provided for maximum mobility for space saving.



#### Technical Specifications

Description	Unit	ESP 52	ESP 71	ESP 85	ESP 102
Book Width (Max)	mm	520	710	850	1020
Spine Thickness (Min-Max)	mm	5 - 70	5 - 70	5 - 70	5 - 70
Book Height (Min)	mm	85	100	100	100
System Pressure (Adjustable upto)	kgs	6000	9000	10000	10000
Squaring Pressure (Adjustable upto)	kgs	2500	3000	3600	3600
Electrical Load / Motor	kw / HP	2.25/3	2.25/3	2.25/3	2.25/3
Electrical Supply		380 / 415V AC 50 Hz 3Ph			
Hydraulic Oil Capacity	ltrs	35	35	35	35
Overall Dimension (WxDxH)	cms	101x114x101	120x109x99	125x109x99	140x110x99
Net Weight (Approx.)	kgs	740	900	1100	1220



Bundling Press



Nipping Press



Smashing & Nipping Press



Book Spine Pre-Gluer



Booklet Three Side Trimmer



B B Rounding & Backing

JOY'S experience and knowledge of book-binding acquired in the past two decades is reflected in the competence, quality standards, using indigenous inputs and dedication in search of new solutions for producing excellent finished books, magazines and stationery items through the most economical means.

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