



SPECIAL PURPOSE SYSTEMS FOR BOOK BINDING

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

Nipping & Smashing Press (Online)

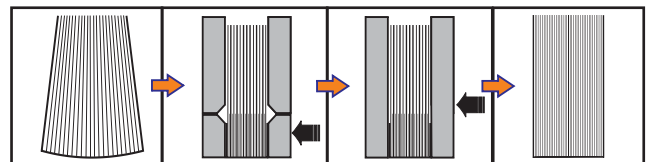
NIPPING – the process of reducing / knocking out the Swell in the spine of: Thread-sewn Book-Block or gathered/collated folded-forms (*signatures*) being pressed for Hard-case or Soft Cover / Perfect Binding. **SMASHING** – the process of removing the air from the folds and flattening the overall area of the Book-Blocks. **BOOK-BLOCK** should be rectangular in shape and free from extreme gradients in the folded sewn area for quality and enhanced life of – the **BOOK**.

Nipping Press and Smashing & Nipping Press, these offline semi-automatic machines for producing rectangular & compact Book-Blocks have become an important part of the Binding industry. To meet the need for faster system with maximum safety and operator efficiency, the **ONLINE** System was launched.

The unit consists of two independent pressing stations for Nipping and Smashing respectively to process section-sewn book blocks. The machine can be used as an offline or in conjunction with another Book-block preparing system.

Book-block is dropped manually at the feeding station on the conveyor. A simple mechanism ensures the same travels the correct distance to position itself in the centre of the Nipping and Smashing stations respectively. Conveyor enables the Book-block to be delivered to the Chute whilst Nipping & Smashing of the subsequent blocks are being processed at 15/20 cycles per minute.

PLC based control panel ensures optimum reliability and simple diagnostics with sensors ensuring no damage is caused to any Book-Block. Centerlised Lubrication System incorporated to ensure maximum life of the phosphor bronze bush/s and smooth functioning. Power saving feature ensures the motor switches off automatically after pre-set delay time. Ambient temperature in the Power- Pack area is maintained for consistent productivity and extended life of rubber parts.



Technical Specifications

Description	Unit	NSP31	NSP41
Book Block Width (Min/Max)	mm	100 / 310	100 / 410
Book Spine Thickness (Min/Max)	mm	10 / 110	10 / 110
Book Height (Min/Max)	mm	70 / 250	70 / 250
System Clamp Pressure (Adjustable)	kgs	10000	12000
Electrical Load	kw/HP	3.75 / 5HP + .25HP	
Electrical Supply		380 / 415V AC 50Hz 3Ph	
Production Speed (30mm Spine Thickness)	cpm	15-20	15-20
Overall Dimension (WxDxH)	cms	128x182x120	148x182x120
Hydraulic Oil Capacity	ltrs	140	160
Net Weight (Approx.)	Kgs	1500	1900



Joint Forming Press



Twin Book Press



Pinning & Folding Line



Edge Squaring Press



Dual Book Press



Baling Press

JOY D-ZIGN ENGINEERS PRIVATE LIMITED

Plot No.13, Road No.1A, Mundka Udyog Nagar, MUNDKA, NEW DELHI - 110041, INDIA.

Mob.: +91 9810026031, +91 9810657674 Tel.: +91 11 6536 6281, 6536 6282,

E-mail: info@joydzign.com

Website: www.joydzign.com

Nipping & Smashing Online