

friends

HEAVY DUTY PLATEN
PUNCHING MACHINE

EXPERIENCE
THE
DIFFERENCE

DIE CUTTING

CREASING

EMBOSSING

FOIL STAMPING

KISS CUTTING

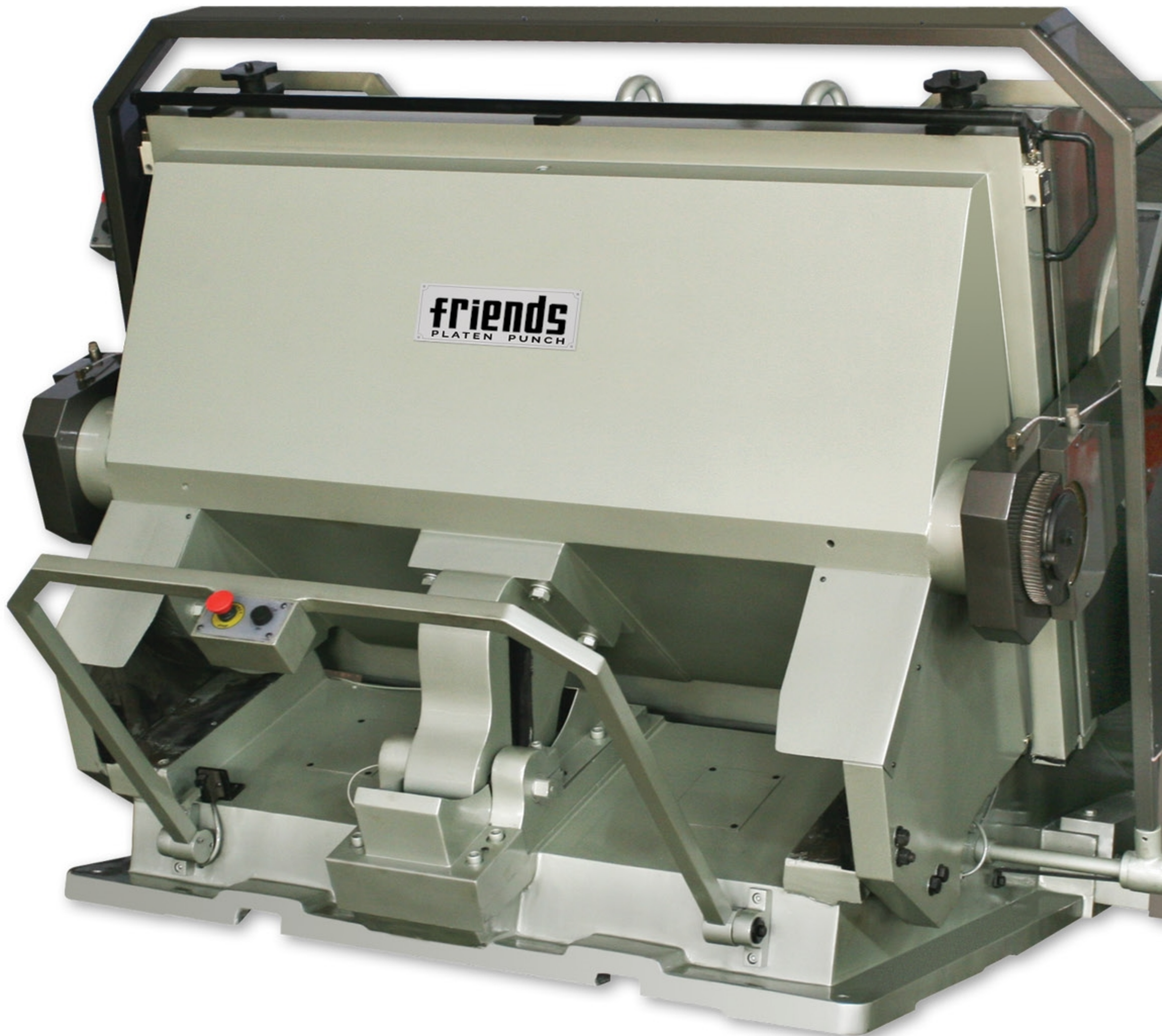


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Technical Specifications

Model		Friends - 28	Friends - 35	Friends - 40	Friends - 43	Friends - 46	Friends - 54	Friends - 57	Friends - 66	Friends - 68	Friends - 76	Friends - 85	Friends - 95
Platen Size	mm	559x711	635x889	711x1016	813x1092	914x1168	1016x1372	1092x1448	1168x1676	1219x1727	1422x1930	1397x2159	1397x2413
	inchs	22x28	25x35	28x40	32x43	36x46	40x54	43x57	46x66	48x68	56x76	55x85	55x95
Inside Chase	mm	508x660	559x813	635x940	737x1061	838x1092	940x1295	1016x1372	1092x1600	1143x1650	1346x1854	1321x2083	1321x2337
	inchs	20x26	22x32	25x37	29x40	33x43	37x51	40x54	43x63	45x65	53x73	52x82	52x92
Impressions / hr		1800	1700	1500	1400	1300	1100	1000	950	900	800	750	700
Power Req'd. (HP)		3	3	5	5	7.5	7.5	10	10	15	15	15	20
Pressure Req'd. During Impression (Tons)		180	210	250	280	320	360	375	390	395	425	460	520
Wt. approx. (Tons)		2.75	3.75	4.5	5	6	7	7.5	10	10.5	13.5	15.5	18
Area req'd.	mm	1880x1500 x1570	1880x1670 x1470	1980x1880 x1520	1960x1880 x1600	2330x1980 x1670	2280x2080 x1800	2350x2230 x1950	2410x2410 x2030	2450x2450 x2070	2670x2670 x2180	2670x2920 x2180	2670x3170 x2708
	inch	74x59x62	74x66x58	74x71x60	77x74x63	88x78x66	90x82x71	93x88x72	95x95x80	97x102x88	105x105x86	105x115x86	105x125x286

Note : Continuing research, development & improvement may result in specifications & appearance changes at any time. The above sizes are standardized any special size can be supplied on request.





Technical Specifications

- "FRIENDS" Brand Heavy duty Platen Punching Machine is designed for Die Cutting, Creasing & Embossing on Paper, Card board, Corrugated board, Leather, Plastic, P.V.C. Etc.
- The Main Platen Body is quite sturdy, ensuring smooth operations under trying condition to provide Maximum Rigidity; Platen Body Structure is carefully designed strictly in accordance to Aero Dynamic Study and calculations to withstand the heaviest loads to provide unsurpassed Cutting & Creasing Precision and many years of Reliable Service.
- Machine is Equipped with 4 No. EN Graded High Strength Steel shafts with good ductility and wear resistance characteristics. The main driving shaft is equipped with two sets of double helical self-lubricated imported Polyimide / steel pinion.
- Machine is Equipped with Both sided Helical Steel EN Graded gears of hardening steel and tensile strength along with steel pinion with main driving double set double helical steel gears.
- Machine is Equipped with Bearings from SKF/ NBC / NACHI.
- All Pins are grounded & Bushes from Phosphorus Bronze Alloy.
- Fastest Platen Opening to Provide Press Operator increased time to feed, Delivering greater productivity and more safety.
- Machine is Advanced with Quick & Simple Adjustment devices, working through Equalization of worm gears with Eccentric Bushes provided in the Cam up to microns for Left, Right, Up and Down of platen leveled to easy make ready (All Steel Graded)
- Machine is equipped with Centralized lubrication system to provide needed lubricants to machine through pipes connected to every moveable system.
- For Safety Measurements, Main Flywheel system is locked with Auto - Check nut system.
- Machine is equipped with Fail Safe combination - Electro Magnetic Clutch Break system with Adjustable system up to microns.
- Machine is equipped with main electric panel (operational & control) connected via detachable socket system with international standardized components i.e. Siemens / L&T / Schneider (France) / ABB etc.
- Machine is having quite silent running and outlook is excellent with best quality paint and powder coated fitting.
- All features that make the "FRIENDS" Platen Punching Machine most Simple, Reliable and Maintenance free.

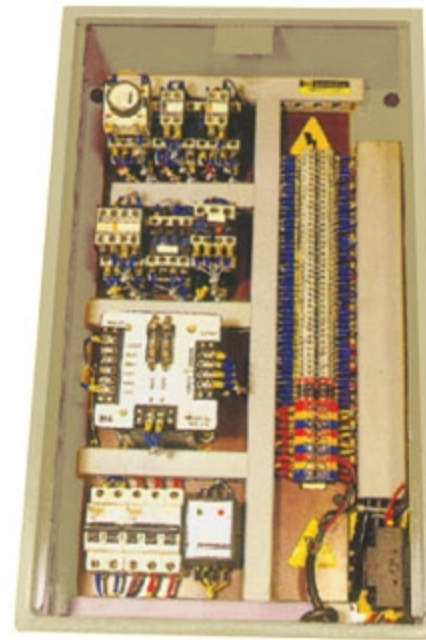




Operational Panel Front Mounted (Detachable Socket System)



Programmable Operational Panel of Foil Printing Machine (Detachable Socket System)



Control Panel (Detachable Socket System)



Operational Panel Side Mounted (Detachable Socket System)



Impression Adjustment by Worm Gear & Eccentric Bushes



Electromagnetic Clutch & Brake System for Microns Adjustment



Manual Lubrication Pump



Auto Lubrication Pump

"FRIENDS" AUTO REWINDING LEAF/FOIL PRINTING

Attachment with Hot Plate & Programmable Stepper Motor

Automatic hand fed hot foil stamping attachment is designed as the new generation product. It is used for automatic stamping roll material on the paper box, paper cup, surround-bidding label, card paper pressing convex, couplets, portable paper bag, paper cover, pvc and various plastic material etc.



Applicable sizes of Leaf Foil printing Attachments (with Single, Double, Triple Pulling System) to be attached with specific Die Punching Machine Sizes

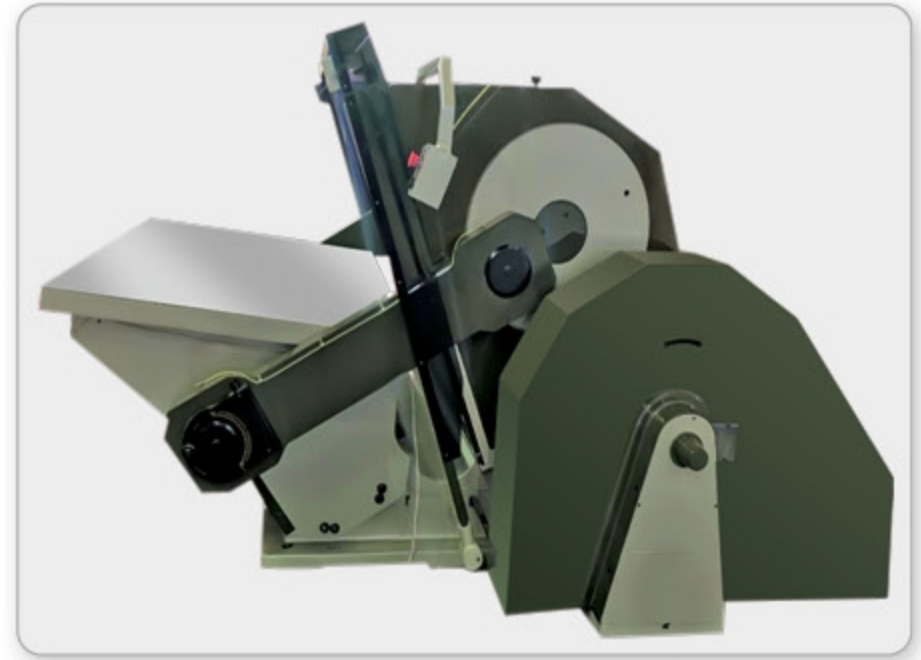
22" x 28"	15" x 20"
25" x 35"	18" x 24"
28" x 40"	22" x 32"
32" x 43"	28" x 40"
36" x 46"	
40" x 54"	
43" x 57"	

Sizes of Die Punching Machine

Sizes of Leaf Foil Printing Attachments



FRIENDS having started the unit about five decades ago, and are engaged in the manufacturing of FRIENDS brand HEAVY DUTY CUTTING & CREASING PLATENS. Not only we are the pioneer in India to produce such quality & quantity machines to the international taste & standard, but are the only & first in the country to develop the machines totally standardized i.e. All parts are interchangeable. While our 'Product' is well recommended & appreciated in the domestic market, it has established the goodwill & remarkable reputation in the international market too, since we have been exporting our said product to various countries.



friends ENGINEERING COMPANY

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