

Sakurai

Full Automatic High Precision Rotary, Stop Cylinder Screen Press

MAESTRO SERIES MS-80AII



MS-80AII

The combination of high precision and productivity - Fully Automatic Ultra High Prec

MAESTRO SERIES MS-80All

Designed to meet the ever increasing demands in the field of industrial and commercial screen printing, Sakura B2 size. In the field of commercial screen printing, it is used for advertisements requiring long life and sharpness printing on stock produced on offset press. In the field of industrial printing, it is highly suited to printing on man We highly recommend our Maestro series screen print machine with half a century of fully automatic cylinder ma



MS-80All+Natgraph Dryer+NST80

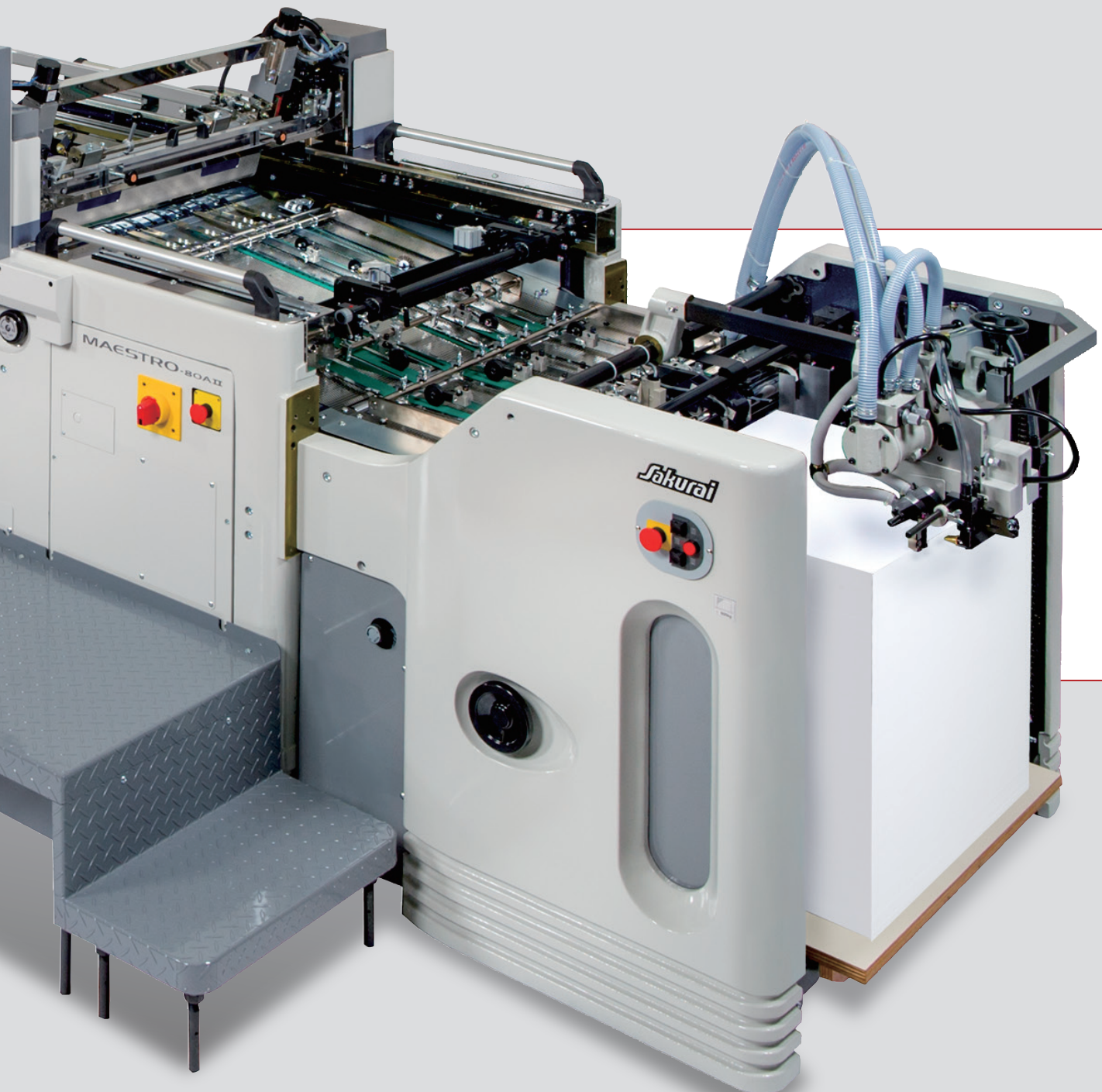
Precision Rotary, Stop Cylinder Screen Press

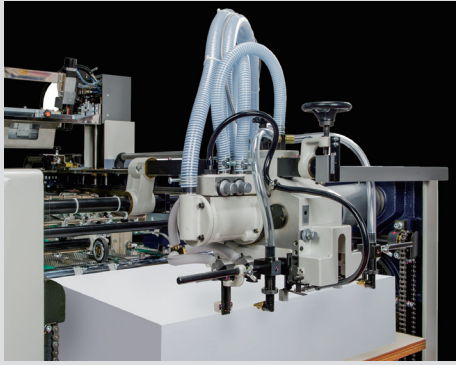
Sakurai is manufacturing fully automatic stop cylinder screen press covering all kinds of films for electric, electron, motor vehicle and other products. We have rich manufacture experience and technology behind it.



Operating Panel

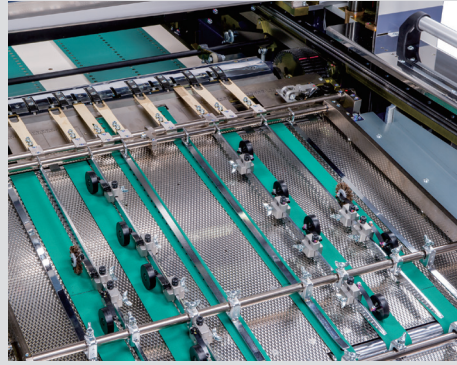
Designed to be concise and simple to use the keyboard control system can be operated safely and accurately by anyone. Emergency stop buttons are located where they can be accessed easily if required. The panel is illustrated with symbols complying with ISO regulations.





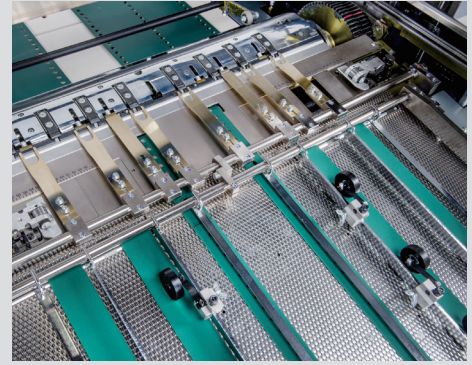
Feeder

Sakurai's original rear pick-up feeder, with technology taken from the offset press, ensures stable and smooth feeding of various types of substrate. Dependant on the substrate, overlapped (stream) or single sheet (universal) feed can be selected easily. A front pick up feeder is also available and can be used for stable feeding of film and other substrates.



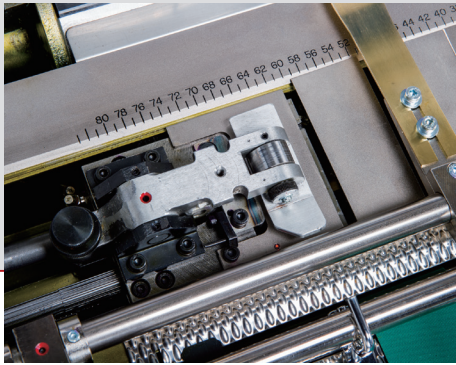
Feed board

The press allows a large variety of print substrate to be handled as the feed board surface is designed to minimise scratching and static electricity build up during the transport of the substrate. It is ideally suited for printing graphics, packaging, labels, ceramic transfers, membranes, film printing, and much more.



Stop cylinder

The non-reciprocating, stop motion cylinder system ensures perfect registration and high quality printing. The cylinder is stationary at the point when the grippers take the substrate at the start of the print stroke. The stop motion occurs on every print cycle and prevents damage to the edge of substrate.



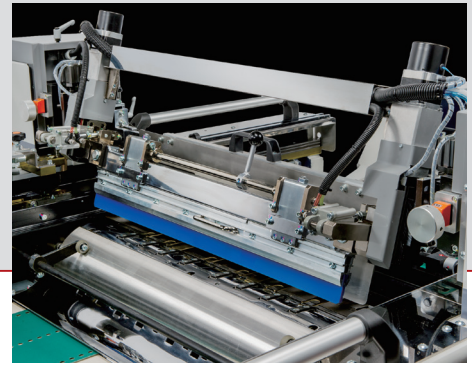
Registration

A pair of linear bearings are used in the pull/push convertible side lays. The registration system can be selected dependent on the substrate being printed. Furthermore, front lay and side lay sensors are fitted as standard so there is no need to be concerned about registration.



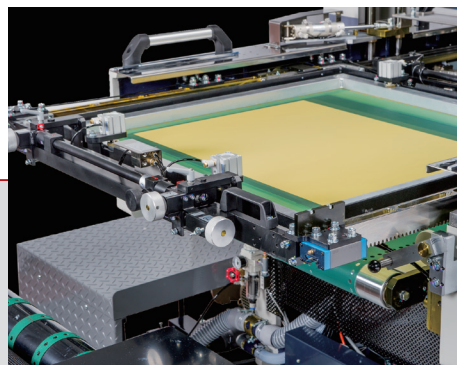
Screen frame pneumatic lock clamp

Simple toggle switch air cylinder clamps are fitted to the master frame carrier to hold the aluminum screen frame in position instantly and securely. Fine registration can be obtained with the micro adjuster knobs.



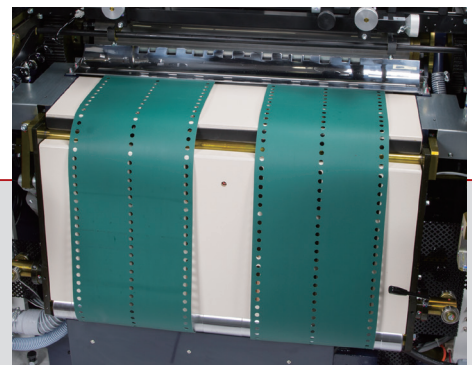
Squeegee head & cylinder

The squeegee and flood-coater are driven by individual cams, and a two-step action cam helps reduce the squeegee shock onto the screen mesh. Due to the positive down cam action, the printing pressure is evenly applied to the cylinder continuously, resulting in sharp dot reproduction and perfect solid printing. The vacuum cylinder with +/-0.01mm accuracy across the cylinder surface, a large cylinder shaft and specially made high precision bearings ensure the highest quality printing at higher speed.



Screen Frame Pull-Out

The screen frame can be unlocked and pulled out to the delivery end of the press so that feed position of substrate can be checked, readjusted and corrected. There is no need for registration adjustment as it will return to the same position when the screen frame is returned to the print position.

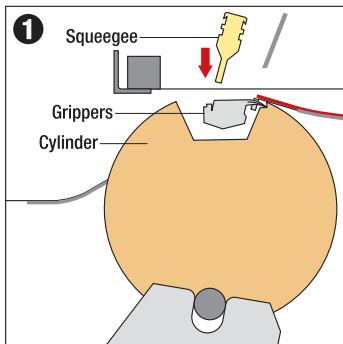


Delivery board lowering device

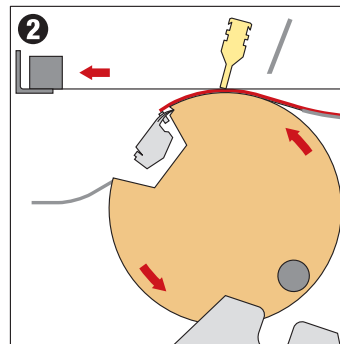
The delivery board can be lowered by 90 degrees to allow easy access to the screen mesh for cleaning or to the squeegee and flood coater for fixing and unfixing. The delivery belts are 280mm wide and transport the substrate straight and true.

WHY "STOP" CYLINDER can achieve perfect accuracy in printing?

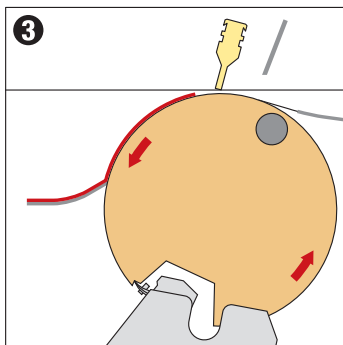
BECAUSE the substrate is gripped only while the cylinder stops, resulting in no sheet movement



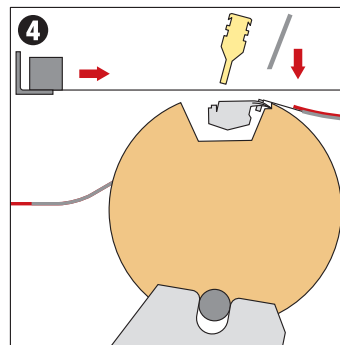
The grippers hold a substrate at the right position while the cylinder stops. Then the squeegee moves down onto the screen.



The squeegee moves down and printing starts at the top of the cylinder. The screen frame moves and the vacuum cylinder rotates.

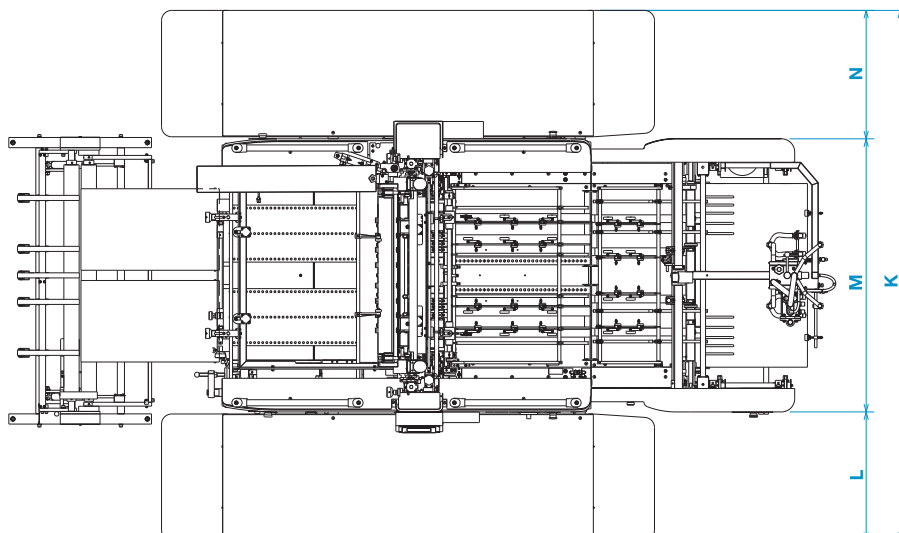
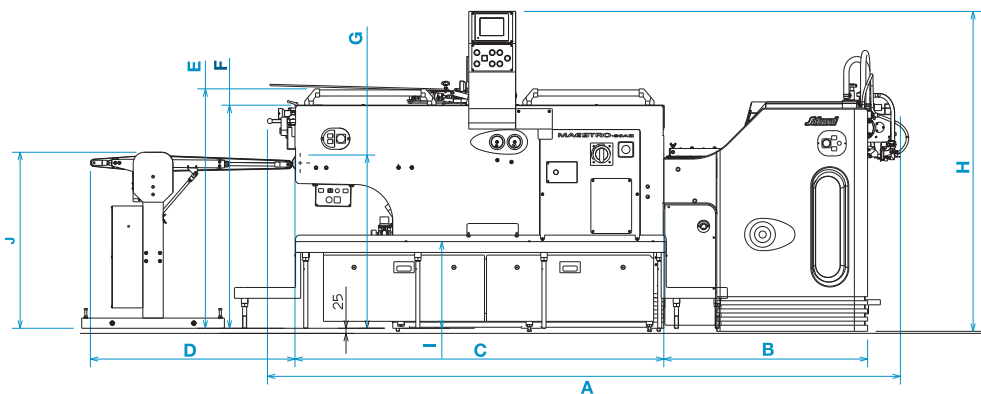


The substrate is delivered after being released by the grippers. The cylinder continues to rotate after the substrate is delivered.



The screen frame starts moving back. The flo-coater starts moving down onto the screen when the squeegee lifts up. The cylinder keeps rotating for printing the next substrate.

DIMENSION



	MS80All
A	3,106
B	1,000
C	1,810
D	1,065
E	1,175
F	1,095
G	850
H	1,570
I	425
J	864
K	2,600
L	630
M	1,340
N	630

(unit: mm)

SPECIFICATIONS

Model	MS-80A II	
Feeder : Selection	Rear pick up feeder / Front pick up feeder	
Max. sheet size (W×L)	mm	800×550 (31 ⁵ / ₈ ×21 ³ / ₄ ")
Min. sheet size (W×L)	mm	350×270 (13 ⁷ / ₈ ×10 ⁵ / ₈ ")
Max. print size (W×L)	mm	720×520(28 ³ / ₈ ×20 ¹ / ₂ ") OP:770×520(30 ³ / ₈ ×20 ¹ / ₂ ")
Printing speed	IPH	400~4,000 / 400~3,000
Printable thickness (*)	mm	0.05~0.8
Ext. screen frame size (W×L)	mm	880×880(34 ³ / ₄ ×34 ³ / ₄ ") OP:930×880(36 ³ / ₄ ×34 ³ / ₄ ")
Dimension (L×W×H)	mm	3,106×2,600×1,570(122 ¹ / ₄ ×102 ³ / ₈ ×61 ³ / ₄ ")
Machine Weight	kg	3,350
Electrical consumption	kw	5.8

(*) Depend on the kind of printing substrates and printing conditions, figures may be changed.

STANDARD ACCESSORIES

- Embossing metal feeder board
- Pull side lay
- Suction feed belt
- Inverter speed control device (Digital indication)
- Built-in front lay sensor
- Screen frame pull-out device
- Screen frame air clamp device
- Ink drop pan (frame pull-out)
- Preset counter
- Rebound stopper for feeder side
- Rebound stopper for delivery side
- Dripless squeegee (Swing Squeegee type)
- Squeegee impression digital control device
- Press down feed rollers
- Delivery board belt motor drive
- Delivery board lowering

OPTIONAL ACCESSORIES

- Push/pull convertible side lay
- Cross over stand
- Variety anti-static devices
- Double sheet detector (Mechanical/Ultra-sonic)
- Hicky picker roller (one side/both side)
- Pneumatic squeegee clamp
- U-cut master frame
- Piston sucker (Front pick-up feeder)
- Print elongation corrector
- Movable rebound stopper
- Air compressor (0.4kw)
- Sheet feed ball rack

※ The information on this catalogue contains patented technology and under patent fillings.

※ The manufacturer reserves the right to change without any prior notice, any of the followings as related to products listed in the subject catalogue.

(1) Improvement in safety, performance or functions (2) Improvement in designed quality

※ The denoted speeds are indicative of the mechanically possible performance. Printing speeds are subject to variation according to the plates and substrates to be used.

※ Photographs appearing in this catalogue include some optional equipments.

※ The specifications given are as of July,2016 and are subject to further change for improvement together with the content of the photographs.

Superlative products to guarantee clients satisfaction

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