



Sakurai is the authorized North American distributor of Natgraph drying and curing systems. Natgraph systems are ideal regardless of the brand and vintage of your current screen press.



### Drying & Curing Systems

Natgraph's Electronic UV system has been developed to take Ultra Violet curing to a new level of efficiency and control. It delivers higher levels of curing power at drastically reduced running costs, resulting in a vastly improved yield for the UV curing process. Natgraph revolutionary electronic power supply technology allows the optimum lamp power to be selected on a true stepless percentage basis. Full power is 170 watts/cm (450 watts/inch), with a typical power savings of over 50% when compared to conventional transformer driven UV systems.

Natgraph UV drying systems present an ideal combination system when used with Sakurai cylinder screen presses.

### Stacker



- Stack up to 4,000 sheets per hour
- Full PLC control
- Complete line integration with dryer and printing press
- E-Stops from anywhere on line control each element
- Quite simply the best stacker on the market
- Easy set-up
- Strong construction for decades of service

# Introducing the Servo-Driven MS-80DDS Cylinder Screen Press.



## The MS-80DDS Utilizes Modern Servo-Driven Motion to Insure Precise Deposits of Ink and Laydown.

The reimagined, high precision MS-80DDS eliminates gears and sprockets for drive control control with each part directly driven by a servomotor. The fully automated, labor saving DDS was designed for easier operation and a scratch free conveying function - even for difficult materials. New features to improve operability and efficiency include a larger LCD touch screen operating panel, a presetting mechanism for sheet size and plate positioning and a remote access function to simplify operation and maintenance. Sakurai's exclusive CCD optical camera registration system checks register marks for sheet alignment to improve productivity and performance. The high precision MS-80DDS accepts sheets up to 21-3/4" x 31-5/8" and operates at a higher running speed of 3,000 IPH.

Sakurai's Direct Drive Series also includes the 31-1/2" x 44-7/8" MS-110DDS and the new MS-120DDS, which accepts larger sheets up to 31-1/32" x 49-7/32".

### ScreenFoil™

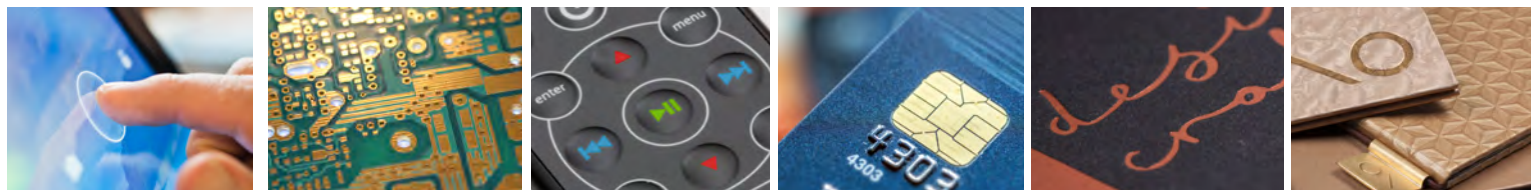
## The LQM Evolution Series

Embellish your printing and increase profits with ScreenFoil™.

Achieve amazing flat, tactile or 3D effects with the new **LQM 76** and **LQM 105** Evolution Series, a cost-effective in-house solution for hot foil finishing.

The LQM Series has many new features to increase productivity including a larger 3" web core diameter, an alignment conveyor to precisely transport printed sheets, a user-friendly touch screen and foil saving capability.

Sakurai can custom design a fully integrated screen printing, UV curing system with hot foil finishing for your specific requirements.



## Sakurai MS-102SD

The Servo Driven Maestro MS-102SD features a programmable print stroke setting. This revolutionary design is ideal for extremely accurate screenprinting applications such as packaging, membrane switches and integrated circuit applications. The 102SD synchronizes the screen travel precisely with the speed of the substrate on the cylinder, resulting in precise register lead edge to tail. Ideal for precise industrial applications including GUI technology used for mobile phones, display panels and automotive instrument panels.

The MS-102SDS accepts sheets up to 29-5/8" x 43-3/8" and operates at 2,000 IPH.

- Sheet Size:** 29-5/8" x 43-3/8"
- Image Size:** 28-7/8" x 41-1/2"
- Speed:** 2,000 sheets per hour
- Substrate:** 0.003" - 0.032"







MAE&TRO

### Sakurai Maestro MS-102AX

The 29-5/8" x 41 1/2" ultra-high precision Maestro 102AX operates at speeds up to 4,000 IPH and accepts stock from .003" to .032" thick. The Maestro is capable of printing on a wide range of substrates such as plastic film for electronic applications, membrane switches, display panels, touch screens, etc., as well as paper, board and foil. Accurate spot coating and special effects are handled easily for value-added features. A two-color Double Maestro MS-102AX is also available which operates at 2,000 IPH.

**Sheet Size:** 29-5/8" x 41-1/2"      **Speed:** 4,000 sheets per hour  
**Image Size:** 28-7/8" x 41-1/2"      **Substrate:** 0.002" - 0.031"



MAE&TRO

### Sakurai Maestro MS-80All

Sakurai's workhorse MS-80All cylinder screen press is used for a myriad of industrial applications such as tagless labels, heat applied transfers, pressure sensitive applications, printed circuits, electronics and much more. The high productivity MS-80All screen press accepts sheets up to 21-3/4" x 31-5/8" and operates at speeds up to 3,600 IPH. And, the Maestro prints on a wide range of substrates such as plastic, film, paper, board and foil with accurate spot coating and special effects.

**Sheet Size:** 21-3/4" x 31-5/8"      **Speed:** 3,600 sheets per hour  
**Image Size:** 19-3/4" x 28-3/8"      **Substrate:** 0.001" - 0.031"



The global leader in screenprinting technology backed by responsive customer service, support, parts and service.

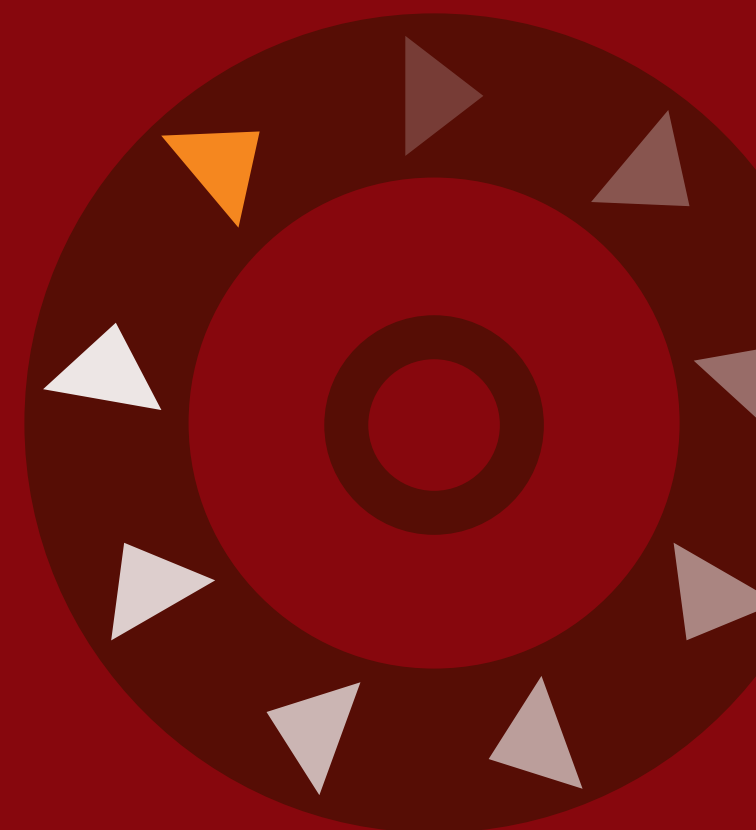
Toll-Free Parts & Service  
**1-800-468-4720 x203**



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# MAE&TRO CYLINDER SCREEN PRESSES



MAE&TRO

### MSDR Servo-Driven Web-Fed Cylinder Screen Press

**Designed for Precision Screen Printing of Thin Materials in Roll Form**

#### Maestro MSDR-60

The Maestro MSDR-60 Series is a fully automated, high productivity web-fed cylinder screen press designed for precision screen printing of very thin materials in roll form. Because of its servo-driven design, there is no backlash or play in gears, belts, or any other driving parts. Press operation is managed by a user friendly touch screen panel and its CCD optical camera registration system perfectly aligns substrates. Additional functions include, fast tact time, alignment accuracy and numerically control production management.

Applications include multi-layer ceramic capacitors, printed electronics, biometric sensors, membrane switches, transfer printing, medical and more. The MSDR-60 has a 23-5/8" maximum web width and is capable of less than 50 um thickness of substrate, which was not possible in the past.

#### Maestro MSDR-30

The Maestro MSDR-30 is a servo-driven web-fed cylinder screen press is ideal for printed electronic industries with and has a maximum 11-13/16" web width.

#### Applications include:

- Multi-layer ceramic capacitors
- Flexible printed circuits
- Biometric sensors
- Membrane switches
- Transfer printing
- Medical