

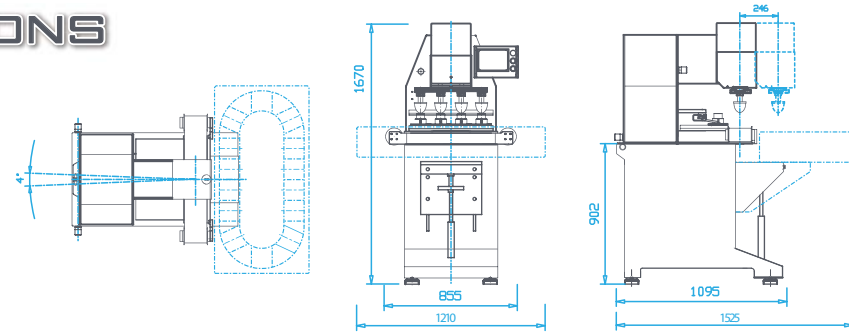
# MS-500

## MODULAR 1 TO 8 COLOR PAD PRINTING SYSTEM

The MS-500 pad printing machine is a robust & modular multi-color pad printing machine that is ideal for a wide variety of industrial applications. All microPrint machines use only top quality world class components and are built with unparalleled workmanship in Switzerland. DECO TECH is the exclusive North American distributor for microPrint and all microPrint machines are backed with a limited **3 YEAR FACTORY WARRANTY**.

SPECS	MS-500	MST-500	MS-500S
Printing capacity:	1,500 per hour	1,500 per hour	500 per hour
Drive:	Pneumatic	Pneumatic / Servo	Pneumatic / Stepper
Printing force:	2,200 N Max	2,200 N Max	2,200 N Max
Air requirements:	5-6 bar (87psi)	5-6 bar (87psi)	5-6 bar (87psi)
Air consumption:	4 l/cycle	4 l/cycle	4 l/cycle
Control system:	PLC	PLC	PLC
Main voltage:	110 - 240 V 50-60Hz	110 - 240 V 50-60Hz	110 - 240 V 50-60Hz
Control voltage:	24 VDC	24 VDC	24 VDC
Weight Machine & stand only:	290 Kg. (638 lbs.)	290 Kg. (638 lbs.)	290 Kg. (638 lbs.)
Weight Machine, stand & accessories:	450 Kg. (990 lbs.)	510 Kg. (1,122 lbs.)	450 Kg. (990 lbs.)
Plate sizes with ink cups:	500 x 250mm	500 x 250mm	120 x 800mm
Plate sizes with inkwell:	500 x 120mm	500 x 150mm	N/A
Plate thickness:	0.5 or 10mm	0.5 or 10mm	0.5 or 10mm
Ink cup size / Print size (Ø):	8 x 56mm / 8 x 50mm 6 x 70mm / 6 x 60mm 5 x 86mm / 5 x 76mm 4 x 120mm / 4 x 110mm	5 x 70mm / 5 x 60mm 4 x 86mm / 4 x 76mm 5 x 86mm / 5 x 76mm	1 x 56mm 1 x 70mm 1 x 86mm
Origin:	Switzerland	Switzerland	Switzerland

## DIMENSIONS



4 color MS-500 system shown with pad shuttle & rotary table automation



Programmable linear part shuttle device for multi-color printing



Individual X/Y/R cliché adjustment gives you maximum registration control



VISCOMATIC ink viscosity control shown on transverse cup slide device

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# MS-500

## MODULAR 1 TO 8 COLOR PAD PRINTING SYSTEM



- Touch screen control with job memory storage
- Quick change magnetic ink cups with X/Y positioning
- Automatic tape pad cleaning device (optional)
- Automatic ink viscosity controls (optional)
- Automation accessories include:
  - Programmable part shuttle device (stepper)
  - Programmable pad shuttle (linear motor)
  - Oval race-track indexer (servo)
  - Transverse cup slide device (stepper)
- Swiss built with world class components

## MODULAR FLEXIBILITY



**MS-500** The microPrint MS-500 is a large and robust pad printing workstation that can be outfitted in many different configurations and we offer several standard automation devices that can be quickly mounted for true *Plug & Print™* interfacing. Automation devices such as; linear pad or part shuttles, Carousel racetrack indexers, transverse cup slide devices can all be easily added. It doesn't matter if your needs are for short production runs or for high-volume long runs, the MS-500 from microPrint is a flexible and versatile pad printing machine that can be configured to meet your specific needs.

Furthermore, the MS-500 can be mounted with either a single cliché holder (photo below) that holds multiple ink cups or it can be outfitted with smaller individual clichés that can be independently registered (photo right) and both cliché holders feature X/Y/R registration control. The MS-500 frame is precision laser welded and is equipped with a solid steel machine base to ensure smooth vibration free performance. All machine controls are easily accessible and you have the ability to quickly advance or decrease the pads travel stroke (horizontally) with calibrated knobs. Every detail has been thought of and implemented in designing the MS-500 and microPrint can create custom software programs for greater useability.



**MST-500** The MS-500 can be ordered with a multi fixtured part handling device called the Carousel (or race track indexer). We offer these workhorse automated pad printing systems with either 4 or 5 color configurations (using ink cup sizes; 56, 70, 86 & 120mm Ø) and additional color systems can be special ordered upon request. The Carousel indexer is controlled via a precision servo motor and each pallet features a locking cam system to ensure that each pallet is accurately located for precise color-to-color registration. We also offer automatic loading and unloading systems that can be combined with our Carousel indexers for added production capability. The MST-500 is also equipped with automatic tape pad cleaning system and our VISCOMATIC™ ink viscosity control system which continually monitors, measures and adjusts the inks viscosity in real time.

**MS-500S** This is the ultimate pad printing machine set-up for pad printing the graduations or depth marks on medical catheters and it is well suited for other printing applications where long-length graphics are required, such as on rigid or flexible tubing, pipettes, scales, decorative lines on appliance and automotive parts, etc... The MS-500S (S for "slide") is a special configured MS-500 that is equipped with a servo indexed transverse cup slide device which allows the ink cup to travel from left to right instead of front to back as traditional pad printing systems move. When you need an ultra-flexible pad printing system, the cup slide device can be removed and interchanged with the standard cliché holders and ink cup systems (upon request). The MS-500S' PLC software is intelligent *Plug & Print™* designed and you can quickly set which automation device you have attached and the software will adjust and run accordingly.

