

Pad printing machines . Pad printing inks . Pad printing supplies . Silicone

Volta M100
Pad printing machine
Closed cup system
1 Color



One color pad printer
Easy to print, easy to operate
Perfect for 1 color printing
With Integrated air blower
Excellent print quality at a small price
Optional, automatic pad cleaning

Backed by a standard 2 year warranty
Guaranteed to last a lifetime



True plug and play



Basic equipment includes

- Ink cup assembly, silicone pad printing pad, etched pad printing plate with customer artwork, foot switch, air blower, simple part fixture, 100gram ink start up kit

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TECHNICAL DATA

The Volta® M100 is the ultimate solution for all your small, one-color pad printing needs! This robustly built pad printing machine is designed for maximum precision printing while being affordable and easy to operate.

This one color pad printer features an intuitive PLC that allows you to fully program and control the machine's functions, ensuring smooth and repeatable results every time. With its compact tabletop design, this single-color sealed cup pad printer is perfect for all types of printing environments, including light-duty, heavy-duty, and prototyping projects.

Setting up the M100 is a breeze thanks to its unique tool-less setup feature, which makes it easy to switch between different projects. Plus, it can handle parts up to 4.3 inches (118 mm) tall, including the part fixture. Other impressive features of the Volta® M100 include a robust pad compression capability of 120 lbs. at 80 PSI, an illuminated plate system for excellent visibility, and variable inking and print frequency controls that put you in full control of the print quality.

Plate size	100 x 215mm
Ink cup	1 x Ø 90 mm
Max. print image size:	80 mm (3 in)
Max. part height:	104 mm (4 in)
Printing speed per hour	2000iph (impressions per hour)
Voltage (1 phase/ 50-60 Hz.)	5A/110V
Printing drive mechanism	pneumatic
Controller	PLC (Programmable Logic Controller)
Pneumatic supply	5-6 bar
Air consumption (CFM/PSI):	0.5/80
Pad compression pressure	max. 950 N
Machine size	920 x 770 x 770 mm (36 x 30 x 30 in)
Machine weight	50kg (110lbs)
Mounting options	Base cabinet or bench top

Pad printing supplies

- Pad printing pads
- Pad Printing plates
- Laser etched printing plates
- Ink cup ceramic rings
- Pad printing ink start up kit

Natron® pad printing inks




Printing applications

Apparel, Silicone parts, Sporting goods, Medical devices, food packaging, Plastic molded parts, etc.



AVAILABLE OPTIONS

Pad cleaning option	Fully automatic pad cleaning
Stand Option	Base cabinet
Ink saving smaller cup options	1 x Ø 53 mm, 1 x Ø 70 mm
Part holder / fixture	Machine 3D printed part fixture

 **Warning:** Always consult the manual prior to use.

STAND OPTION

A printer stand is available for the benchtop M100 pad printer machine. This stand is an add-on accessory that can be used with the M100. This option can be added at purchase or later on. To add this option, simply place the M100 on the stand and secure the machine. The M100 Stand is equipped with a closed compartment for added storage. The M100 Printer Stand is perfect when benchtop space is limited.

AUTOMATIC PAD CLEANING OPTION

The M100 pad printing machine can be retrofitted with an automatic pad cleaning function. This optional feature is an excellent add on for textile, industrial, and silicone printing environments where there may be a lot of ink build-up on the silicone printing pad making it necessary to clean the pad.

SMALL INK CUP

The Volta M100 is compatible with 60- and 70-mm ink cups other than the standard 90-mm ink cup. These smaller pad printing ink cups use less ink used. This makes the ideal for printing small images. All our cups are designed to enable quick change over from one cup to the next in a few minutes.

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