



TOSH Logica Mi.micro N90S

The “utility knife” of small pad printing machines.



Table Stand Version with optional TO-100 Cross Table.

Technical Information

- Operation:** All-electric with touch screen control
- Printing Force:** 770N (approx. 172 Lbs)
- Max Print Speed:** Adjustable to 2,900 c/h*
- Number of Colors:** 1-2
- Max. Cup Diameter:** 90mm
- Standard Cup Size:** 90mm (60mm, 70mm + oval options)
- Vertical Stroke:** 95mm (programmable in 1mm increments)
- Max. Pad Height:** 90mm
- Power:** 230V (+/- 10%), 50/60Hz, Single Phase
- Weight:** About 50Kg (1 color print head only)
- Dimensions:** 600mm (d) x 370mm (w) x 900mm (h) (Table stand version)



The Micro 90 was designed specifically for the U.S. market where approximately 75% of pad printing applications are 1-2 colors with a 90mm diameter (or smaller) print area. It's compact size and flexible upgrade path make it an excellent solution as a stand-alone printer or integrated into a high-speed automation. Like a utility knife, it can be reconfigured to meet both present and future requirements.

Popular Options



TO-100 Cross Table

The TO-100 offers +/- 12.5mm adjustment in X and Y axes and 15° rational adjustment of your parts (or TOSH part conveying accessory), allowing you to put the image where it needs to go on your parts with precision.

Floor Stand

The floor stand's longer post allows the machine to accommodate larger parts and taller tooling, as well as TOSH part conveying accessories such as the TRCN2S rotary table or PL-300 Linear Indexer. For increased mobility, the work arm has a retractable caddy arm and wheels are added to the base. (Pictured with TO-100 mounted to the work table.)



Note: While the TO-100 and Floor Stand can be added later, both are required when using the Micro 90 with a TOSH part conveying accessory, as described on the next page.



Part Conveying Accessories

TOSH manufactures their own part conveying accessories, which can be easily integrated to provide additional efficiency and capability. Like to Micro 90, these accessories are 100% electric, and are programmable through the printer's touch-screen operator interface.

TRCN-2S Rotary Table

The TRCN-2S allows you to significantly increase efficiency and productivity. Programmable for 2, 4, 6 or 12 stations, the rotary table's movement is synchronized, allowing the operator to load and unload safely while the image is being transferred. This also enables us to integrate additional options such as automatic eject, pre-treatment, or drying accessories. 490mm diameter dial standard.



PL-300 Linear Indexer



The PL-300 Linear Indexer is the perfect solution for applications requiring two-color printing in lower quantities. Programmable for up to 300mm of travel, with up to five positions, each accurate to +/- 0.01mm, this part conveying accessory provides maximum flexibility when printing a wide variety of different part geometries.

Additional Options and Accessories

Step-Up Transformer

Power requirements for the Micro 90 are 230V, 60Hz, single phase. If you don't have that readily available in your facility or you want the flexibility to plug in to any standard 110V outlet, this will step the power up to within the required range.



Ink Cup Diameter	Max. Print Area*	Cliche Dimensions
90mm	75mm dia.	100 x 200mm
70mm	55mm dia.	80 x 160mm
60mm	45mm dia.	70 x 150mm
Oval	45 x 100mm	200 x 200mm

▶ = Standard Specification

*Max "safe" print area on a flat surface. Print area may be smaller when using a harder pad or printing on more complex part geometries.



Popular Configurations

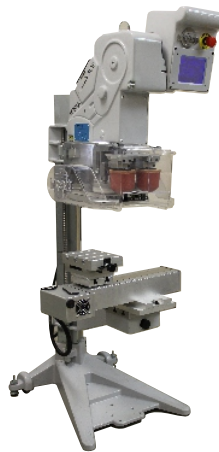
Below are some popular configurations (in addition to the basic table stand version pictured on the first page of the brochure). These are just some of the potential solutions that the Micro 90 has to offer. Please contact us for information on more complex semi- and fully-automated system options.



**1 color with
Floor Stand and
T0-100**



**1 color with
Floor Stand, T0-100
and TRCN-2S**



**2 color with
Floor Stand, T0-100
and PL-300
Linear Indexer**



**2 color with
Floor Stand, T0-100
and TRCN-2S**

What about supplies, training and support?

We have everything you need for pad printing: ink and additives, transfer pads, cliché plates and cliché making equipment, recommended spare parts ... you name it, we have it.

Training is free in our facility for as long as you own your TOSH machine. Want a technician to come to you? No problem. We can quote costs for installation and training costs upon request.

Technical support and service are all coordinated out of our Massachusetts facility. We post a lot of information on social media, so click the links. We're here to help, so contact us today.

Contact Us Today

Contact us today to discuss your application in more detail.

The more we know, the better we can be of assistance.

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Thank you!

