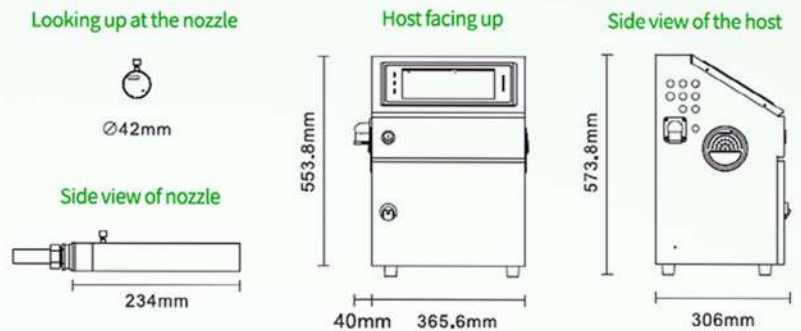# TEKKON

Tekkon MS Series

Continuous Inkjet Printer
The new generation of "AI" intelligent inkjet printer

Simpler operation, less maintenance, superior printing quality, and faster printing speed. Specially designed for customers with medium to high frequency of use and medium to high-speed production lines, using advanced ARM embedded technology. A built-in structure, high-speed eight-core CPU runs a Linux professional operating system, making operation smoother. A unique SCloud cloud service serves as the background platform, providing end-to-end and face-to-face intimate services to achieve 24/7 availability. Fully intelligent monitoring, remote monitoring, remote upgrade, personalized customization, and one-click service. It has powerful software editing functions and extremely high stability. In terms of product performance and application, it provides users with a more perfect identification experience.

Technicl Parameters

- Remote assistance, monitoring, upgrading
- Original IoT cloud service platform
- Intelligent self-check of system software
- One click power on/off and hardware
- Automatic nozzle cleaning
- Unique nozzle triples anti-clogging function
- Ink line automatic detection
- Work log recording
- Fully sealed integrated design of nozzle
- Wired, wireless WIFI, mobile hotspot, internet access

Looking up at the nozzle — ∅42mm
Side view of nozzle — 234mm
Host facing up — 553.8mm, 40mm, 365.6mm
Side view of the host — 573.8mm, 306mm

Machine Parameters

Operating System	32-bit embedded ARM architecture, high speed 8 core CPU
Machine Specification	365.6x306x573.8 mm
Machine Weight	22kg
Screen	10.1-inch color LED touch screen, visual graphic menu
Printhead Duct	3m default / 6m optional
Nozzle	50u, 55u, 70u Nozzle; triple ani-clogging function
Positive pressure air	Optional
Voltage	85~265 VAC, 50~60Hz
Humidity	10~95% without condensation
Working Environment	- l0°C ~45°CC
Protection Level	IP55
External Interface	USB, Optical Sensor, Encoder, Photoelectric switch input, Ethernet, RS232, RS485
Support Language	Chinese, English, Thai, French, German, Korean, Vietnamese, Persian, Arabic, Turkish, Spanish, Portuguese

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LINE

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Printing Parameters MS Series

Printing line count	1-5 lines (5x5 dot matrix)
Printing points	5x5, 5x7, 7x9, 6xl2, 8xl6, 12xl6, llx24, 16x32 Self written dot matrix information within 4 dots
Printing height	l-12mm (adjustable). Printing distance: l-30mm (adjustable).
Printing Speed	(5*5, 5*7, 12*16 dot matrix) 1 line: 255 m/min, 238 m/min, 122 m/min 2 lines: 130 m/min, 124 m/min, 20 m/min 3 lines: 53 m/min, 33 m/min 4 lines: 20 m/min, 18 m/min
Printing Content	date, time, automatic date, automatic expiration date, shift number, batch number, Serial number, four sets of counters, meter counting, self-designed pattern, variable barcode
Code	Variable QR code, pseudo code, multiple languages, multiple fonts. Spray printing length: standard 1024 characters (customizable)
Input methods	Pinyin input method, location code input method, multilingual input. Inkjet printing: Ink in various colors such as black, blue, red, yellow, etc.
Font widening	1-9 times, can be widened for individual characters.
Font direction	Normal font, reversed font, reversed font, reversed font The printing direction can be independently set for a single character. Font spacing: 1-8 times, can be edited point by point freely.
Bar Code	EAN 8 & 13; Code 128 A,B &C; EAN 128; Code 39; Code 93; Interleaved 2 Of 5
QR code (QR, OM)	10x10, 12x12, 14x14, 16x16, 18x18, 20x20, 24x24, 34x34
Intelligent ink/diluent box	Ink Smart Cartridge: 750 ml Make-up Smart Cartridge: 750 ml

Original IT cloud service platform

The cloud server SCloud, the inkjet steward system,
and the "Internet of Things" system continuously monitor and
track the parameters of the inkjet printer, so that users can
proactively solve potential problems of the inkjet printer
and ensure the uninterrupted operation of the production line.

Coding Steward System
Powerful AI big data intelligent monitoring, using the most
New IoT perception system, AI big data points
It supports remote viewing of multiple devices at the same time
Line status, real-time control of equipment abnormalities, timely

Clairing system
Meticulous single operation, like being on the scene,
Assist customers to easily troubleshoot potential faults.
(It works better with "Inkjet Steward")

Unique nozzle triple anti-clogging function

The unique four-valve structure of the nozzle can ensure that
the ink in the ink circuit system can be thoroughly cleaned and
returned to the ink tank, so that the nozzle can be truly automatically
cleaned. Greatly reduce the daily maintenance

It has an independent cleaning pump, which automatically sprays
thinner to clean the nozzle and recovery pipeline every time the machine
is shut down, and automatically sprays solvent to clean the nozzle
and recovery pipeline before spraying ink when the machine is turned on.

The nozzle blades can be removed separately and placed in
an ultra-organic container, which can completely solve the problem of clogging.

First function
Four-valve integrated structure

Second function
Separate cleaning pumps

Third function
The nozzle blades are disassembled independently

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