

UV Laser Marking Machine

3W/5W/10W/15W



- High Quality Of Light Beam, More Applicable To Precisely.
- Accurately Marking.
- Less Effect From Heat, Don't Generate Heating Effect. Higher Marking Speed, Excellent Efficiency.
- Stable Performance, Compact In Structure, Energy Conservation.

UV laser source

- Integration design for whole laser source, combination of optical path and power controller system, compact structure and integration easier.
- Adopt laser diode as pump source of laser generator, can continuously trouble free running up to 30,000 hours.

Optical path and galvanometer system

- Galvanometer System : Adopted digital galvanometer system with high speed, high precision to make sure high efficiency running, enhance anti interference signal ability.

Touch screen controller system

- Information of letters, Logo, barcode, planar barcode etc can be input and output by brief touch screen controller system.
- Easy operation and stable system.

Cooling system

- To make sure the stable of laser power , high 0 precision double circulation constant temperature water cooling system is adopted.



Technical specification



Laser Power	3w/5w/10w/15w
Laser Type/wavelength	ND: YVO/355nm
Beam Quality	<1.2
Adjustment Frequency	1- 3000KHz
Minimum Making Character	0.1mm
Minimum Line Width	0.01mm
Marking Speed	≤7000mm/s
Appearance Size	1300* 750*1620mm
Cooling System	Water cooling
Marking Area	100* 100mm
Power	800W

Please Contact :



PT NIJI SURYA ARINDO

Advanced Reliable Innovative Coding Marking System

Jakarta : Samara Village. Jl Samara 21 no 15, Gading Serpong – Tangerang 15810

Surabaya : Graha Green Garden Jl. Wiyung Praja Indah No. 175B Surabaya, Indonesia . 60229.

Semarang : Amaya Home Resort, Linea BV-05. Jl. Mt.Haryono, Ungaran. 50514

Telp. +62.8132.5000.168

Email : office@nijisuryaarindo.com



Advanced
Reliable
Innovative
Coding
Machines

Advanced



- Industry 4.0 ready
- Unix based intuitive graphical user interface via large touchscreen
- Full range of communications function (4G*, wifi, LAN, USB, custom user port)
- Modern 10.4" touchscreen

Reliable



- Metal Cabinet with sealed electronics enclosure rated to IP66
- One touch start and stop performance with sealed nozzle technology
- Service free modular ink system
- Patented pump control technology for economic operation

Innovative

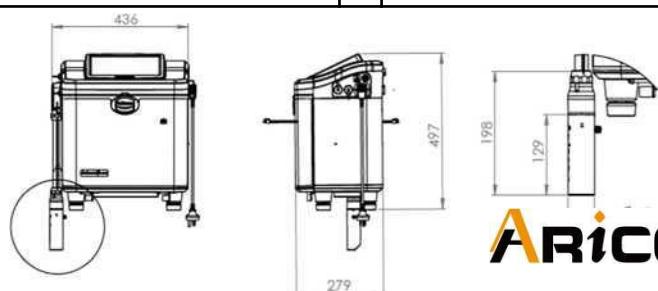


- Unique patented onetouch plug-and-play printhead
- Patented drip lock consumable cartridges
- Service free drip lock filter pack
- All new design containing multiple new and patented technologies developed by our team of experienced industry experts



Parameters

Line Speed Capability 1L5:6.9m/s 2L7:1.4m/s 2L9:0.84m/s 1L24:0.6m/s	Data Interface Product Detect,Encoder,USB Type A, RJ45(Ethernet), Rs232
Max lines of print 8 Lines	Printhead Umbilical 3m standard, customized lengths available
Max number of dots 48 Dots	Printhead Modular 'One touch' temperature controlled
Available Fonts (H*W) 5x4,5x5,7x4,7x5,9x5,9x7,11x7,12x8,13x8,16x11,20 x14,24x16,24x24, 32x24,16x5 (NLC font) Bold mode available, drop repeat available up to 9 times	printhead with sealed nozzle technology Nozzle: 60um
Character Height 1.5mm -20mm (Throw distance dependant)	Fluids Management Modular ink system with viscosity control and smart pump management User-replaceable smart filter module with drip lock technology
Memory Capacity 1000 Messages	Fluids Containers 700ml smart cartridges with drip lock technology
Throw Distance Up to 30mm	Electrical Requirements AC 100-220V, 50/60HZ, 80W
Display and User Interface Linux based intuitive user interface on 10.4" HD touchscreen	Product Weight 21.3KG
Custom Logo/ Graphics Built in logo editor or load via USB	Product Size(W*H*D) 400*440*280MM
Barcode & QR code Available	IP rating IP rating electronics:IP66 IP rating cabinet:IP55

**ARICODE®**

A patented ink system module that maintains ink composition, delivers ink via a novel pressure damper whilst reducing solvent consumption using patented smart pump control.



A filter pack that is so easy to change it makes routine maintenance genuinely routine.



A patented plug and play printhead module, that delivers consistent high-quality codes throughout the day, due to its temperature-controlled drop generator.



Even our ink cartridges have a patented design to make changing ink or solvent clean and easy.

*Our mission is to provide
'peace of mind' with
robustness, reliability and
unique patented one touch
plug n play printhead*

**PT NIJI SURYA ARINDO**

Advanced Reliable Innovative Coding Marking System

Jakarta : Samara Village. Jl Samara 21 no 15, Gading Serpong – Tangerang 15810Surabaya : Graha Green Garden Jl. Wiyung Praja Indah No. 175B Surabaya, Indonesia . 60229.Semarang : Amaya Home Resort, Linea BV2-05. Jl. Mt.Haryono, Ungaran. 50514

Telp. +62.8132.5000.168

Email : office@nijisuryaarindo.com

THERMAL
TRANSFER
OVERPRINTER

Markcom M2

Most cost effective



M2 Thermal Transfer Overprinter is one of the world's best cost-effective smart coding printer. It provides excellent solutions to soft-packaging coding in a wide range of fields like food, pharmacy, chemical, and many more.

Unique Design

Self-owned patent technology, no factory air needed for operation. Allowing it to be more flexible in its use and easier to setup and install.

Easy Operation

Control the machine with easy to hold and operate controller. Just like a tablet computer it is convenience to use.

Easily navigate and operate the machine thru its big touch screen controller.

You can easily replace the ribbon and do regular cleaning.

Efficient and Intelligent

Use long ribbon length to reduce downtime.

With 200dpi print head, it can print high quality characters and images.

It comes with all standard features commonly found in coding and marking such as: counter numbers, date, expiry date, barcode, and many more.



MARKCOM®

THERMAL
TRANSFER
OVERPRINTER



Markcom M2 Specifications

Print Head	24mm, 200dpi (8 points/mm)
Print Area	24mm x 40mm
Print Mode	Intermittent
Print Frequency	Max 120 times/min
Max ribbon size	Max length: 500 meters Max width: 25mm Simple ribbon webbing
Weight	Marking unit approx. 4.8kg Controller approx. 0.4kg
Cable length between printer and controller	approx. 3 metres
Dimensions	Marking Unit: 170mm x 165mm x 160mm Controller Handle: 170mm x 25mm x 115mm

Print frequency and throughput are substrate, application and set-up dependent

Controller features

- 5" coloured touch screen
- WYSIWYG print preview
- Ribbon consumption indication
- On-board diagnostics
- On-board memory

Programming and Printing features

- DKDesigner software for designing code on PC
- Full support for Windows TrueType
- Fixed and variable text fields with user entry
- Full support for Windows TrueType
- Flexible date/time formats
- Scaleable text including rotation, mirror and inverse printing
- Formats for shift coding
- Mirror image printing, image rotation
- Real time clock functions
- Auto best before date calculation and concession management

Power and Air Supply

Air Supply	Not needed
Power Supply	220VAC
Power Consumption	120W
Ambient Temperatur	0 – 40°C
Humidity range	10 – 90%, non-condensing

Thermal Transfer Ribbon

Model	Type	Features
DG	Wax/Resin	Economical, can print well on most packaging film
DC	Premium Wax/Resin	Good Adhesive, cost-effective
DT	Resin	Super excellent adhesive, suitable for high-print requirements
DB	Thin Wax/Resin	Longer, reduce ribbon placement
Colors		black, white, red, blue, yellow

Specification of products are subject to change without prior notice



MARKCOM®

LINX 8830 PRINTER



The Linx 8830 continuous ink jet printer prints up to 3 lines and provides a perfect coding solution for industrial environments.

Designed to reduce your total cost of ownership and increase your production line output, the Linx 8830 delivers consistent, error-free codes.

With its unique sealed printhead design and durable stainless steel construction the Linx 8830 operates reliably in tough production environments, optimising line productivity.



Low total cost of ownership

- ✓ Solvent consumption as low as 3.5ml* per hour to save on fluid costs
- ✓ Single part ink and filter change minimising service costs
- ✓ Printhead cleaning interval up to three months to reduce downtime and fluids consumption



Built-in reliability for increased productivity

- ✓ Unique sealed printhead design protects critical components from physical damage
- ✓ 8 hour reserve print capacity to reduce line stoppages from fluid running empty
- ✓ Linx PrinterNet™ enabled IoT solution gives you better control of your production line and fast remote fault resolution to improve uptime



Consistent error-free codes and ease of use

- ✓ Customisable touch-screen with your product images to provide error-free code setup without language barriers
- ✓ Fast one-touch access to frequently used functions and step by step guides for right first time set up
- ✓ Simple, one-touch, fluid cartridge refills during printing no mess, no tools, no mistakes

*average consumption at 20°C, ink and application dependent

LINX

Linx 8830

PRINthead

60mm minimum bend radius in static applications. 180mm minimum bend radius in dynamic applications.



SIDE ELEVATION



FRONT ELEVATION



90° PRINthead OPTION



Technical Specifications

PRINT SPEEDS AND SIZES

Printhead:	Mk11 Midi	Mk11 Midi plus
Nozzle size:	62 µm	75 µm
Lines of print:	Up to 3	Up to 3
Character height range:	1.8 to 20 mm	2.1 to 20.1 mm
Maximum speed for single line print (5 dot high characters):	6.25 m/s (0.47 mm drop pitch)	7.28 m/s (0.57 mm drop pitch)
Maximum speed for two line print (7 dot high characters):	2.46 m/s (0.43 mm drop pitch)	2.38 m/s (0.52 mm drop pitch)
Recommended distance from printhead to substrate:	12mm (35mm for carton coding message style)	20mm (45mm for carton coding message style)

HARDWARE FEATURES

Easi-Change® Service Module, change interval: up to 12 months (9,000 hours) – dye-based inks, up to 12 months (6,000 hours) – soft pigmented inks* Only 0.5L of ink changed
Unique automatic printhead flushing: typical cleaning interval 3 months (100 starts and stops) – dye-based inks, up to 1 month – soft pigmented inks
Printhead jet-speed control and temperature sensing for consistent printing in changing ambient temperatures
Mistake-proof, mess-free ink and solvent refilling while printing (0.5 litre ink cartridge, 1 litre solvent cartridge)
7-inch full colour touch screen with tough, solvent-resistant polymer cover
Durable ink pump with no scheduled changes required
Extended shutdowns (up to 3 months) without printer flushing or draining
Robust, flexible dual-tube conduit for static and moving printhead applications

SOFTWARE FEATURES

Single-press start print, pause print and jet shutdown
Auto power-off after jet shutdown
Simple message creation and editing with drag-and-drop field positioning, zoom function and insert mode for long messages
Total print count, message count and batch count
Message selection using product images
Password-protected functions, with customisable user profiles
Message creation/editing while printing
On-screen output rate measurement and production stoppage log. Downloadable onto USB device

On-screen fluid level indicators, 12 hour running from fluid refill warning to printer stop in most applications

On-screen help and diagnostics information

QuickSwitch® message selection and editing using bar code scanner

PrintSync® automatic font and message format selection, based on message style selected and production line speed

Multiple operator languages (user selectable) with on-screen keyboards, secondary keyboard for multi-language printing

Simple line speed and shaft encoder setup wizard, for installation on new production lines

Message store and printer settings backup, copy and restore using USB storage device

Simple Communications Protocol (YAML based scripts) and Linx Remote Communications Interface for connection to PCs or PLCs using Ethernet port

MESSAGE PRINTING FACILITIES

Text, symbols and numbers

Prompted fields for one-step message editing with customisable on-screen prompts

Height, width and delay functions for easy code sizing and positioning

Automatic formats for printing dates, times and date rounding (using the printer's internal clock)

Custom date and time editor to create different date formats as required

Automatic date forward function. Add number of seconds, minutes, hours to the current time, or number of days, weeks or months to the current date

Automatic time adjustment option for daylight savings time

Sequential numbering, forward and backward counting, variable intervals

One-touch sequential number reset option from the printer screen, and reset using external trigger

Number of messages stored: up to 1000 using internal printer memory (depending on message content), more can be stored using a USB storage device

Bold character printing (up to 9 times)

Variable character spacing for improved vision system recognition

Rotated character (tower) printing

Shift coding (message content changes automatically at defined times)

Graphics and logos can be imported into the printer as bitmap files using the USB port

Reverse and inverted printing

Barcodes (ITF 2 of 5, Code 39, Code 128, EAN 13, EAN 8, UPCA, Pharmacode, Data Matrix, QR Code)

PRINthead OPTIONS

2m conduit

4m conduit (option)

90° printhead (option)

Positive air purge to printhead (provides improved reliability in dusty or humid environments) (option)

INK RANGE

Linx MEK base (dye-based, soft pigmented-based)

Linx mixed base (MEK-free, dye-based)

Linx ethanol base (MEK-free, dye-based)

SOLVENT CONSUMPTION

3.5ml/hour (at 20°C, ink and application dependent)

CONNECTIONS/INTERFACING FOR

Product detector

Shaft encoder/second product detector

External single-stage alarm output (24v)

USB – for message backup and transfer, and wifi connection for Linx PrinterNet

Ethernet

Volt-free contact alarm connection (e.g. for use with external mains-driven alarm) (option)

Dual alarm output (Volt free and 24V output) (option)

PHYSICAL CHARACTERISTICS

Base and enclosure: Stainless steel

IP55 environmental protection rating**

Mounting options: Static stand, mobile stand, bench, wall mount bracket

Operating temperature range: 5-45°C (0-50°C for Linx 1240 ink type)

Humidity range (r.h., non-condensing): 90% max

Power supply: 100-230V, 50/60Hz

Power consumption: 38W (typical when printing)

Power rating: 100 W

Weight: 24kg (including fluids and printhead)

REGULATORY APPROVALS

CE, EAC, NRTL, FCC

*Interval may be adjusted in certain environments and applications to provide reliable running between service module changes

**IP rating is independently verified – certificates available on request

For more information, contact Linx Printing Technologies Ltd, Linx House, 8 Stocks Bridge Way, Compass Point Business Park, St Ives, Cambs, PE27 5JL, UK.

Telephone +44 (0)1480 302100 Email sales@linxglobal.com Website www.linxglobal.com

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Linx 8900/8910

Continuous ink jet printers

The Linx 8900 and 8910 printers make operation, reliability and efficiency easier than ever. So you can spend more time coding, and increasing output from your production line. With Linx reliability built-in, this coder will operate continually in your production environment and also help reduce delays from production line stoppages. Real-time output and line stoppage reporting also helps you to maximise your production and add value back to your business.

Simple operation for error-free coding

- Large, icon-driven high-resolution touch screen, with at-a-glance production-rate visibility
- Customisable top screen, on-screen message prompts for faster, accurate code setup
- Store multiple line settings for added flexibility
- Simple, one-touch, fluid cartridge refills during printing – no mess, no tools, no mistakes
- Self-service with an on-screen Wizard which guides operators through the service process – for a quick, engineer-free service in around 30 minutes, with up to 18 months between services.

Built-in reliability for increased uptime

- Linx's industry-leading printhead is completely sealed for continual reliable operation – typically requires cleaning only once every three months
- Quick, clean starts every time with Autoflush – less manual printhead cleaning, so less solvent waste and maintenance time required
- Automatic fluid checking and long eight hour fluid refill warnings – less unplanned downtime and less printer monitoring
- Seasonal shutdown mode – printer is ready to print first time, even after extended shutdown, with no need for expensive printer flushing.

Improve your production line efficiencies

- Accurate, real-time output measurement on screen, e.g. batch counts and output/hour rates, with real-time on/off target indication
- On-screen production rates with output and line stoppage logs – simple to transfer via USB for reporting and analysis
- Customisable logs provide precise reasons for any production line holdups – identify efficiency improvements on your line
- The Linx 8910 is designed for both primary and secondary coding requirements – with a carton coding 20mm high print option
- Print speeds of up to 2.92m/s (8900) and 7.28m/s (8910).



Linx 8900/8910

PRINthead

60mm minimum bend radius in static applications. 180mm minimum bend radius in dynamic applications.



SIDE ELEVATION



FRONT ELEVATION



Technical Specifications

PRINT SPEEDS AND SIZES

Printhead:	Mk11 Midi	Mk11 Midi plus
Nozzle size:	62 µm	75 µm
Lines of print:	1, 2 or 3	1, 2 or 3
Character height range:	8900: 1.8 to 8.8 mm 8910: 1.8 to 20 mm	8900: 2.1 to 10.7 mm 8910: 2.1 to 20 mm
Maximum speed for single line print (5 dot high characters):	8900: 2.92 m/s (0.37 mm drop pitch) 8910: 6.25 m/s (0.47 mm drop pitch)	8900: 2.84 m/s (0.44 mm drop pitch) 8910: 7.28 m/s (0.57 mm drop pitch)
Maximum speed for two line print (7 dot high characters):	8900: 1.46 m/s (0.37 mm drop pitch) 8910: 2.09 m/s (0.37 mm drop pitch)	8900: 1.42 m/s (0.44 mm drop pitch) 8910: 2.02 m/s (0.44 mm drop pitch)
Recommended distance from printhead to substrate:	8900: 12mm 8910: 12mm (35mm for carton coding message style)	8900: 20mm 8910: 20mm (45mm for carton coding message style)

HARDWARE FEATURES

Easi-Change® Service Module, change interval: up to 18 months (13,000 hours) – dye-based inks, up to 12 months (6,000 hours) – soft pigmented inks*
Unique automatic printhead flushing: typical cleaning interval 3 months (100 starts and stops) – dye-based inks, up to 1 month – soft pigmented inks
Printhead jet-speed control and temperature sensing for consistent printing in changing ambient temperatures
Mistake-proof, mess-free ink and solvent refilling while printing (0.5 litre ink cartridge, 1 litre solvent cartridge)
10-inch full colour touch screen with tough, solvent-resistant polymer cover
Durable ink pump with no scheduled changes required
Extended shutdowns (up to 3 months) without printer flushing or draining
Robust, flexible dual-tube conduit for static and moving printhead applications

SOFTWARE FEATURES

Single-press start print, pause print and jet shutdown
Auto power-off after jet shutdown
Simple message creation and editing with drag-and-drop field positioning and zoom function for long messages

Total print count, message count and batch count

Message store display and message style selection

Password-protected functions, with customisable user profiles

Message creation/editing while printing

On-screen output rate measurement and production stoppage log. Downloadable onto USB device

On-screen fluid level indicators, 12 hour running from fluid refill warning to printer stop in most applications

On-screen help and diagnostics information

QuickSwitch® message selection and editing using bar code scanner

PrintSync® automatic font and message format selection, based on message style selected and production line speed

Multiple operator languages (user selectable) with on-screen keyboards, secondary keyboard for multi-language printing

Simple line speed and shaft encoder setup wizard, for installation on new production lines

Message store and printer settings backup, copy and restore using USB storage device

Simple Communications Protocol (YAML based scripts) and Linx Remote Communications Interface for connection to PCs or PLCs using Ethernet port or optional RS232 port

MESSAGE PRINTING FACILITIES

Text, symbols and numbers

Prompted fields for one-step message editing with customisable on-screen prompts

Height, width and delay functions for easy code sizing and positioning

Automatic formats for printing dates and times (using the printer's internal clock)

Custom date and time editor to create different date formats as required

Automatic date forward function. Add number of seconds, minutes, hours to the current time, or number of days, weeks or months to the current date

Automatic time adjustment option for daylight savings time

Sequential numbering, forward and backward counting, variable intervals

One-touch sequential number reset option from the printer screen, and reset using external trigger

Number of messages stored: up to 1000 using internal printer memory (depending on message content), more can be stored using a USB storage device

Bold character printing (up to 9 times)

Variable character spacing for improved vision system recognition

Rotated character (tower) printing

Shift coding (message content changes automatically at defined times)

Graphics and logos can be imported into the printer as bitmap files using the USB port

Reverse and inverted printing (option)

Barcodes (ITF 2 of 5, Code 39, Code 128, EAN 13, EAN 8, UPCA, Pharmacode, Data Matrix, QR Code)

PRINthead OPTIONS

2m conduit

4m conduit (option)

6m conduit (option)

Positive air purge to printhead (provides improved reliability in dusty or humid environments) (option)

INK RANGE

Linx MEK base (dye-based, soft pigmented-based)

Linx mixed base (MEK-free, dye-based)

Linx ethanol base (MEK-free, dye-based)

CONNECTIONS/INTERFACING FOR

Product detector

Shaft encoder/second product detector

External single-stage alarm output (24v) with multi-stage alarm option

USB

Ethernet

Volt-free contact alarm connection (e.g. for use with external mains-driven alarm) (option)

Dual alarm output (Volt free and 24V output) (option)

RS232 (option) and Parallel I/O (option)

PHYSICAL CHARACTERISTICS

Base and enclosure: Stainless steel

IP55 environmental protection rating**

Mounting options: Static stand, mobile stand, bench, wall mount bracket

Operating temperature range: 5-45°C (0-50°C for Linx 1240 ink type)

Humidity range (r.h., non-condensing): 90% max

Power supply: 100-230V, 50/60Hz

Power consumption: 38W (typical when printing)

Power rating: 150 W

Weight: 24kg (including fluids and printhead)

REGULATORY APPROVALS

GS, CE, EAC, NRTL, FCC

*Interval may be adjusted in certain environments and applications to provide reliable running between service module changes

**IP rating is independently verified – certificates available on request

For more information, contact Linx Printing Technologies Ltd, Linx House, 8 Stocks Bridge Way, Compass Point Business Park, St Ives, Cambs, PE27 5JL, UK.

Telephone +44 (0)1480 302100 Email sales@linxglobal.com Website www.linxglobal.com

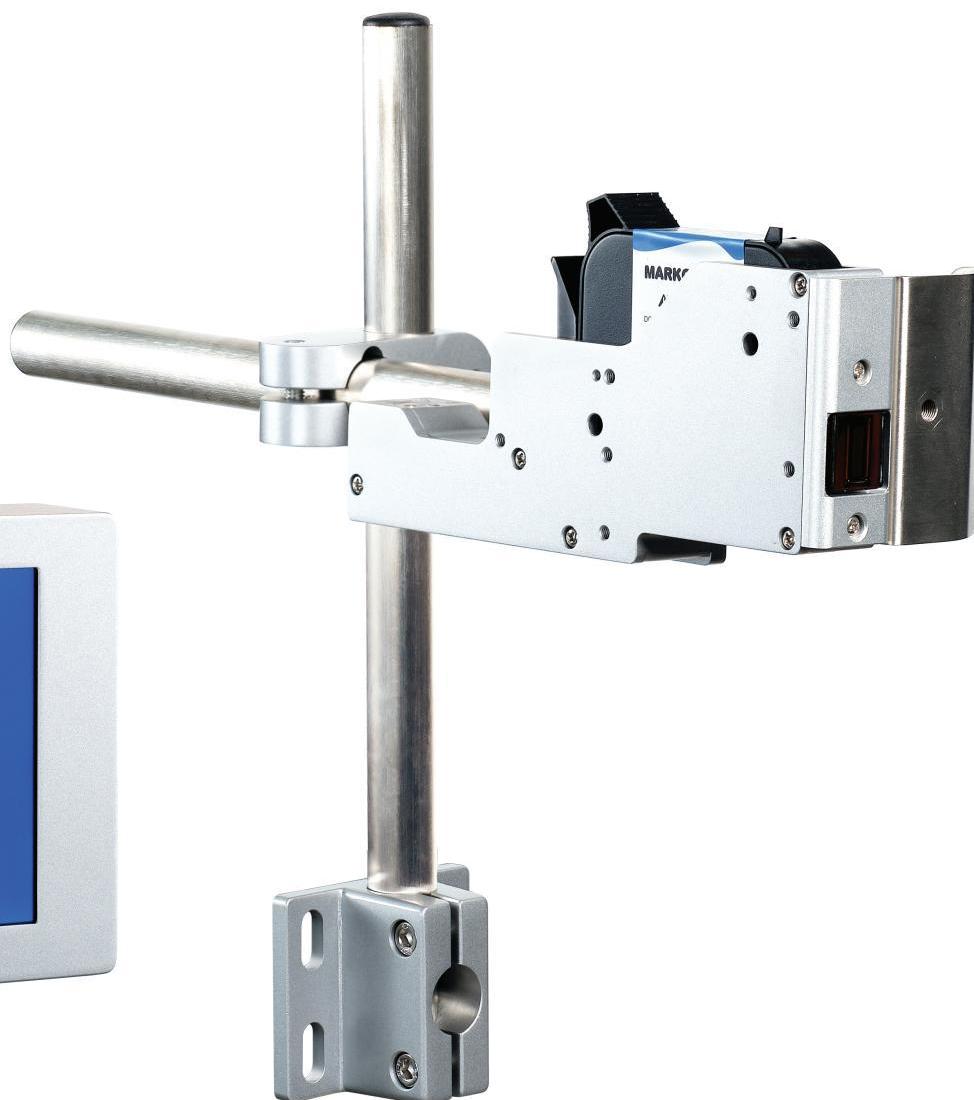
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MARKCOM

MARK-1

LITE



The MARKCOM MARK-1 LITE Printer

is the new model of thermal inkjet printer that brings all the basic function to your printing needs. Equipped with advanced thermal inkjet technology, the Markcom Mark-1 Lite printer offers reliable and high-quality printing for a diverse range of applications.

Simple User Interface

Markcom Mark-1 Lite is designed to be user-friendly and compact, making it suitable for various industries such as manufacturing, packaging, and healthcare. The Markcom Mark-1 Lite printer offers crisp, clear prints with precise color accuracy and can handle a variety of media types including plastic, cardboard, and paper. With its easy-to-use interface and low maintenance cost, the Markcom Mark-1 Lite printer is an affordable solution for all your printing requirements. Whether you need to print

labels, cards, or paper with precision and accuracy, the Markcom Mark-1 Lite thermal inkjet printer is a reliable option to consider.

Built-in Reliability

The Markcom Mark-1 Lite printer is equipped with Cortex-A7 1.2Ghz dual-core processor and advanced thermal inkjet technology and offers reliable, high-quality printing for a diverse range of applications in various industries.

Multi Function Printing

Markcom Mark-1 Lite printer offer a range of functions starting from auto offset date, serial number, database printing up to QR function with maximum of 3 dynamic variable printing in 1 message.

Solid Build

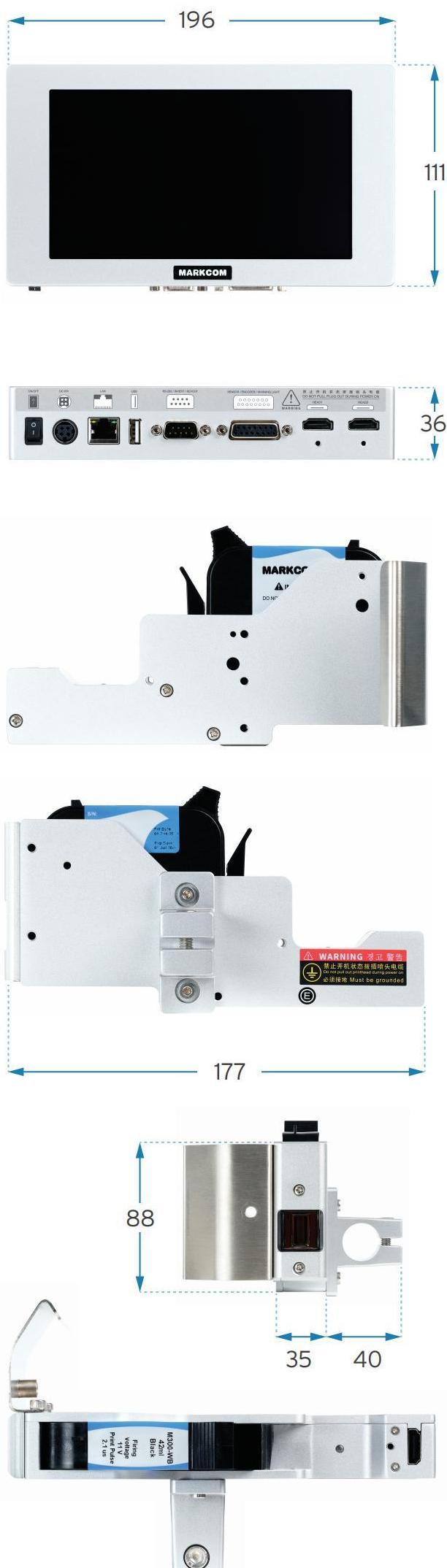
Aviation aluminium material for the body and printhead to produce sturdy and robust product for industrial use.

Water Based Cartridge

Save Printing Cost
Up to **40%**



MARKCOM®



MARK-1 LITE SPECIFICATIONS

Panel Control	7" color touch screen
User Interface	Simple - user friendly UI
Operating System	Embedded Linux operating system
Hardware	Cortex-A7 1,2GHz dual-core processor/FPGA algorithm acceleration chipset
Communication Interface	USB/RJ45 to RS232
External Interface	Photocell (Included) Optional: -Encoder/reverse inverting control -Tower Light Indicator
Print Engine	TIJ Technology
Message Store Capacity	Up to 1000
Multi-Languages	English, Chinese, Arabic, Japanese, Korean, Thai, Vietnamese, French, German, Finnish, Italian, Norwegian, Portuguese, Spanish, Russian, Danish
Indicator	Display alarm indicator
Print Resolution	Resolution up to 600 x 600 DPI (vertical: 100DPI, 150DPI, 300DPI, 600DPI, landscape: 30-600DPI precision adjustment)
Print Density	1 to 6 one-touch density
Print Speed	406m/90DPI, 304m120DPI, 240m/150DPI, 120m/300DPI, 60m/600DPI (multi-group variable data ultra-high speed response printing)
Print Distance	2 ~ 4 mm
Print Height	12,7mm (0,5") Variable adjustable font size and lines
Print Capability	Alpha numeric, date, time, month code, week code, alpha hours, counter, logos
Barcodes	QR Code, Data Matrix, EAN8, EAN12, Code128, Code39, UPCA, UPCE
Nozzle Type	Thermally foamable head TIJ2.5
Ink Various	Water-based, Solvent-based
Cartridge Chip	Non-contact RFID, automatic identification and recording ink
Electirc Requirements	Power adapter 100-240V AC input, 30V 4A DC output
Working Environtment	Temperature of 0-45 °C / humidity of 30-70% Rh
Weight	800gr
Dimensions	Controller: 196 x 111 x 36 mm Printhead: 177 x 75 x 88 mm
Mounting Orientation	Side (Horizontal) - Downside



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