RYNAN®
PRINTING

Driving Efficiency Through Smart Coding Solutions

TIJ . PIJ . Laser . Unified in One System



Product Catalogue

Developed by RYNAN Technologies Pte Ltd

For 15 years, we have pioneered the shift toward Industry 4.0 by unifying advanced R&D with smart printing architecture. Manufacturing Thermal Inkjet (TIJ) hardware and ink solutions since 2015, our portfolio has expanded to include Laser and Piezo printing technologies. Our integrated approach allows us to provide scalable, innovative solutions that deliver superior quality and foster strong partnerships across the global industrial sector to a network of over 100 partners across 70+ countries.

Products & Solutions

We are uniquely positioned by developing our comprehensive range of Printers and Inks fully in-house. With a robust lineup spanning across Thermal Inkjet (featuring OEM partnerships with HP TIJ 2.5, IUT 1-Inch, and Brady), Piezo Inkjet (PIJ), and Laser technologies, we maintain full control on quality and flexibility, catered for different requirements across regions.



Ink Development
All ink formulations are developed in-house, ensuring high quality inks.

Hardware & Technical Support
Industrial grade materials ensure long lasting durability with a highly trained technical support team ready to help troubleshoot issues.

Software & Firmware
Flexible customization with user-friendly systems designed for seamless integration.

Sales & Marketing
Premium sales and after-sales support by a team of trained professionals.



Bhupinder Singh
Vice-President of Global Sales
RYNAN Printing



DIPES

RYNAN Centralized Coding & Marking for Smart Factories

A SCALABLE FACTORY SOLUTON

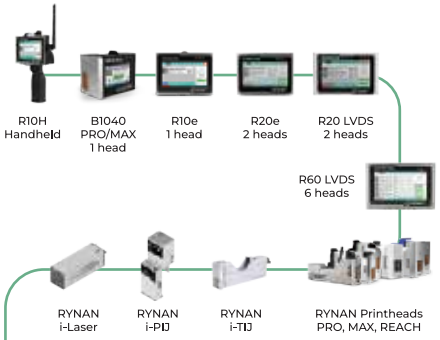
LEVEL 1

Marking
(Consumables & Hardware)

Consumables
TIJ inks, PIJ inks, CIJ inks

IOJ core
printers, printheads





- Consumable Labels
- Printer, printhead, printing module
- Creating QR, 1D, 2D, GS1 Codes on products

LEVEL 2

Consistency
(Site control)

Automated verification system with single/multiple printhead integrated control



- IOJ/Tablet to configure print jobs
- Verifying product quality
- Basic rejection & automation

LEVEL 3

LEVEL 4

Traceability
(Application & Factory Data)



API

Platform

SaaS

R-SaaS-C (customised)

RYNANhub (public)

Database

Firewall

Cloud database

Automation

PLC, 3rd party automation/rejection system



12345678

Managing lots, serials & production history

Monitoring data flow throughout operations

Quality Analysis & Report analysis quality

Integration
(Enterprise/Cloud/API)



Third Party System



Firewall



3rd party Cloud Database (DBaaS)



3rd party On-premise database

ERP/MES connection, integrate production data

Synchronise realtime data

API

Connect APIs and Cloud services

RYNAN L-UV10

Precision UV Marking. On-the-Fly Performance

The RYNAN L-UV10 is an industrial UV laser marking system designed for on-the-fly high quality code marking directly on moving production lines, featuring a water-cooled architecture with a separated laser head and controller for stable, high-precision, reliable performance on pharmaceutical and flexible packaging films. Built for seamless integration, multi-system connectivity and centralized control across multiple production lines via H-MCS.



UV Laser for precision & indelible marking on packaging.
Ideal for pharmaceuticals and plastic packaging materials.

RYNAN L-UV10



- High-resolution, high-contrast on-the-fly marking for production lines
- Multi-line management via H-MCS software platform
- Separated laser head & control unit for flexible integrations
- Water-cooled system for stability with continuous operations

TECHNICAL SPECIFICATIONS

RYNAN L-UV10

Marking Technology	Solid nanosecond UV lasers (355nm)	
Product Dimensions	**Controller:** 396 x 160 x 320mm	**Laser Head:** 663.9 x 160 x 160mm
Product Weight	**Controller:** 7kg	**Laser Head:** 16.5kg
Laser Output Power	10W	
Power Supply	110 - 230VAC 3A	
Marking Speed	900 cps (Application Dependent)	
Cooling Method	Water Cooling	
Focal Length	100 - 400mm (Fixed by Lens Focal Length)	

FEATURES

Wide Range Of Marking Types	Text • Counter • Box/Lot • Datetime • Expiry Date Julian Date • Shiftcode • Image • Database 1D & 2D Barcodes (Code 11, Code 39, Code 128, EAN, QR, Datamatrix, GS1 Datamatrix)
Marking Field	140 x 140mm (Adjustable by Marking Lens)
Connections	2 x USB 2.0 • Ethernet RJ45 Spare IO (5 Input, 7 Output) • RS232, RS485
Marking Mode	Static • Marking on the fly (MOF)
Operating Environment	Temperature 10 - 40°C, Humidity 40 – 80%, Non-condensing
Others	• POD (Print online data) Integrate with other devices PLC, Camera, Checkweigher) via RJ45
Chiller Requirements	• Cooling capacity > 580W • Water flow rate > 6 L/m • Water tank temperature control 25 ± 0.3 °C • Water pipe outer diameter 10mm
Messages Capability	• 8 GB on disk (Available for use)
Rotary Encoder	• Supported (NPN Type)
External Sensor	• Supported (NPN/PNP Type)
Power Density	• Adjustable from 0 - 100%
Markable Surfaces	• Flexible film, Ceramic, Glass, Fabric, Coated paper, Metal
Fonts & Texts	Windows TrueType Fonts
Print Languages	English (default), Vietnamese, Chinese (PRC), Turkish, Korean, Russian, Japanese, Hebrew, Spanish, Thai, Portuguese and Arabic
System Languages	English (default), German, Vietnamese, Chinese, Korean, Russian, Portuguese, Spanish, Polish, Greek and Italian (and others)

RYNAN L-C40

Versatile CO_2 Marking in Motion

The RYNAN L-C40 is an industrial CO_2 laser marking system designed for on-the-fly marking on high-speed production lines, delivering reliable, high-resolution and high-contrast codes on a wide range of materials. Built for seamless integration, multi-system connectivity and centralized control across multiple production lines via H-MCS.



CO_2 Laser for versatility & cost efficiency on packaging, films and cartons.

RYNAN L-C40

- Optimized on-the-fly marking system design
- Multi-line management via H-MCS software platform
- Compatible for marking on a wide range of materials
- Industrial grade reliability for continuous operations



TECHNICAL SPECIFICATIONS

RYNAN L-C40

Marking Technology	RF CO_2 Laser (10600 nm)	
Product Dimensions	**Controller:** 396 x 160 x 320mm	**Laser Head:** 730 x 145 x 160mm
Product Weight	**Controller:** 7kg	**Laser Head:** 15kg
Laser Output Power	40W	
Power Supply	110 - 230VAC 4A	
Marking Speed	900 cps (Application Dependent)	
Cooling Method	Forced Air Cooling	
Focal Length	100 - 400mm (Fixed by Lens Focal Length)	

FEATURES

Wide Range Of Marking Types	Text • Counter • Box/Lot • Datetime • Expiry Date Julian Date • Shiftcode • Image • Database 1D & 2D Barcodes (Code 11, Code 39, Code 128, EAN, QR, Datamatrix, GS1 Datamatrix)
Marking Field	140 x 140mm (Adjustable by Marking Lens)
Connections	2 x USB 2.0 • Ethernet RJ45 Spare IO (5 Input, 7 Output) • RS232, RS485
Marking Mode	Static • Marking on the fly (MOF)
Operating Environment	Temperature 10 - 40°C, Humidity 40 – 80%, Non-condensing
Others	• POD (Print online data) Integrate with other devices PLC, Camera, Checkweigher) via RJ45
Messages Capability	• 8 GB on disk (Available for use)
Rotary Encoder	• Supported (NPN Type)
External Sensor	• Supported (NPN/PNP Type)
Power Density	• Adjustable from 0 - 100%
Printable Surfaces	• Wood, Plastic, Acrylic (PMMA), Coated paper, Leather, Rubber
Fonts & Texts	Windows TrueType Fonts
Print Languages	English (default), Vietnamese, Chinese (PRC), Turkish, Korean, Russian, Japanese, Hebrew, Spanish, Thai, Portuguese and Arabic
System Languages	English (default), German, Vietnamese, Chinese, Korean, Russian, Portuguese, Spanish, Polish, Greek and Italian (and others)

RYNAN L-F60

Mark Metal in Motion, Permanently.

The RYNAN L-F60 is an industrial fiber laser marking system designed for on-the-fly marking on high-speed production lines, delivering permanent, high-contrast codes on metals and engineering plastics. Built for seamless integration, multi-system connectivity and centralized control across multiple production lines via H-MCS.



Fiber Laser for permanent marks on metals and engineering plastics.

RYNAN L-F60

- Optimized on-the-fly marking system design
- Multi-line management via H-MCS software platform
- Compatible for marking on a wide range of materials
- Industrial grade reliability for continuous operations



TECHNICAL SPECIFICATIONS

RYNAN L-F60

Marking Technology	MOPA Pulsed Fiber Laser (1064 nm)	
Product Dimensions	**Controller:** 475 x 170 x 440mm	**Laser Head:** 436 x 120 x 120mm
Product Weight	**Controller:** 14kg	**Laser Head:** 5.5kg
Laser Output Power	60W	
Power Supply	110 - 230VAC 4A	
Marking Speed	900 cps (Application Dependent)	
Heat Dissipation Method	Forced Air Cooling	
Focal Length	100 - 400mm (Fixed by Lens Focal Length)	

FEATURES

Wide Range Of Marking Types	Text • Counter • Box/Lot • Datetime • Expiry Date Julian Date • Shiftcode • Image • Database 1D & 2D Barcodes (Code 11, Code 39, Code 128, EAN, QR, Datamatrix, GS1 Datamatrix)
Marking Field	140 x 140mm (Adjustable by Marking Lens)
Connections	2 x USB 2.0 • Ethernet RJ45 Spare IO (5 Input, 7 Output) • RS232, RS485
Marking Mode	Static • Marking on the fly (MOF)
Operating Environment	Temperature 10 - 40°C, Humidity 40 – 80%, Non-condensing
Others	• POD (Print online data) Integrate with other devices PLC, Camera, Checkweigher) via RJ45
Messages Capability	• 8 GB on disk (Available for use)
Rotary Encoder	• Supported (NPN Type)
External Sensor	• Supported (NPN/PNP Type)
Power Density	• Adjustable from 0 - 100%
Printable Surfaces	• Metal, Coated paper
Fonts & Texts	Windows TrueType Fonts
Print Languages	English (default), Vietnamese, Chinese (PRC), Turkish, Korean, Russian, Japanese, Hebrew, Spanish, Thai, Portuguese and Arabic
System Languages	English (default), German, Vietnamese, Chinese, Korean, Russian, Portuguese, Spanish, Polish, Greek and Italian (and others)

RYNAN P54

High Speed Printing, Industrial Reliability

The RYNAN P54 is an advanced industrial printing system powered by Ricoh Gen5/Gen6 printheads. Featuring a separated ink supply system with viscosity control heating, proprietary ink, and a flexible design supporting both horizontal and vertical printing. Designed for standalone operation, multiple control options via H-MCS and seamless integration into diverse production systems.



The RYNAN P54 delivers speed, quality, and durability. Ideal for printing on packaging, QR codes, barcodes, and other industrial applications.

RYNAN P54

- Compatible with Ricoh Gen5/Gen6 printheads
- Multi-line management via H-MCS software platform
- Horizontal and vertical printing with lifting mechanism
- Viscosity control with integrated heating



TECHNICAL SPECIFICATIONS

RYNAN P54

Printing Technology	Piezoelectric Inkjet	
Product Dimensions	Controller: 224.5 x 76 x 125mm	Ink Supply: 125 x 100 x 243mm
Product Weight	Controller: 1570g with Printhead	Ink Supply: 2335g w/o Inks
Ink Types	UV Curable Inks, Solvent Base Inks, Aqueous Base Inks	
Power Supply	DC 24V-20A 480W	
Compatibility	RICOH GEN5	RICOH GEN6
Density	Gen 5: 5 Levels	Gen 6: 3 Levels
Throw Distance	Up to 3mm	

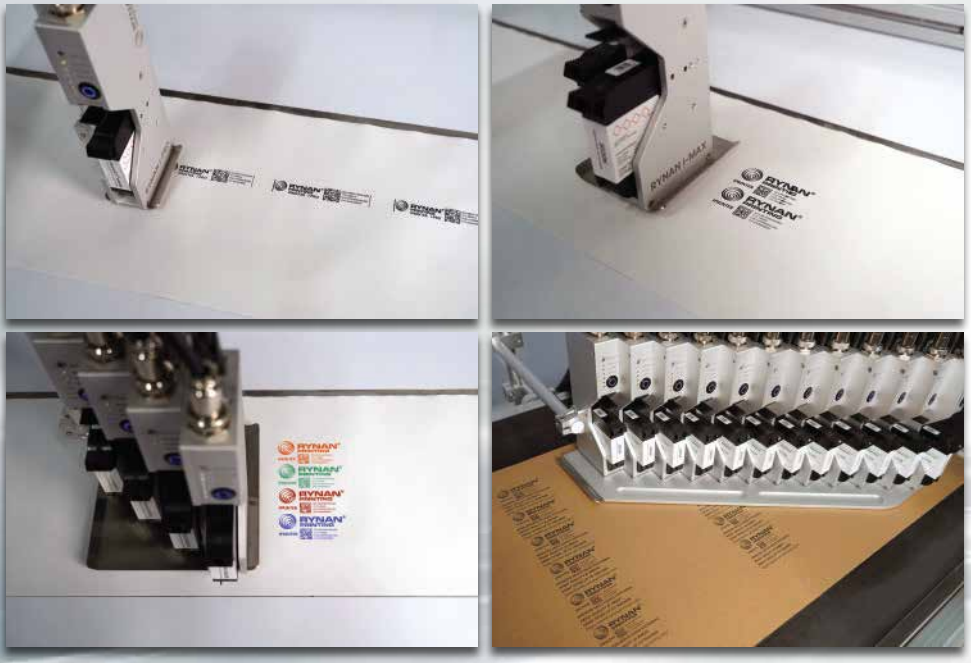
FEATURES

Wide Range Of Print Types	Text • Counter • Box/Lot • Datetime • Expiry Date Julian Date • Shiftcode • Image • Database 1D & 2D Barcodes (Code 11, Code 39, Code 128, EAN, QR, Datamatrix, GS1 Datamatrix)	
Printable Height	Max 54.1mm	
Connections	2 x USB 2.0 • Ethernet RJ45 Spare IO (3 Input, 4 Ouput) • RS232, RS485	
Template Length	600 x 150 DPI: 1500mm 600 x 200 DPI: 1500mm 600 X 300 DPI: 1500mm 600 x 600 DPI: 1387mm	600 x 800 DPI: 1040mm 600 x 1200 DPI: 693mm 600 x 2400: 346mm
Operating Environment	Temperature 10 - 40°C, Humidity 40 – 80%, Non-condensing	
Others	• POD (Print online data) Integrate with other devices PLC, Camera, Checkweigher) via RJ45 • Horizontal & Vertical printing with lifting mechanism • Ink Viscosity control with integrated heating	
Messages Capability	• 8 GB on disk (Available for use)	
Rotary Encoder	• Yes	
Print Speed	**Resolution** 600 x 150 DPI 600 x 200 DPI 600 x 300 DPI 600 x 600 DPI 600 x 800 DPI 600 x 1200 DPI 600 x 2400 DPI	**Print speed (1 drop)** 305 m/min 229 m/min 152 m/min 76 m/min 57 m/min 38 m/min 19 m/min	**Print speed (>1 drop)** 203 m/min 152 m/min 101 m/min 50 m/min 38m/min 25 m/min 12 m/min
Printable Characters	Windows TrueType Fonts	
Print Languages	English (default), Vietnamese, Chinese (PRC), Turkish, Korean, Russian, Japanese, Hebrew, Spanish, Thai, Portuguese and Arabic	
System Languages	English (default), German, Vietnamese, Chinese, Korean, Russian, Portuguese, Spanish, Polish, Greek and Italian (and others)	

RYNAN i-TIJ

High Resolution Printing. Ultimate Flexibility

The RYNAN i-TIJ series is a compact industrial printer engineered for standalone operations with multiple control options via H-MCS, enabling seamless integrations into diverse production lines with reliable high-speed and high-quality performance.



The RYNAN i-TIJ series delivers speed, quality, and flexibility. Ideal for printing on packaging, QR codes, barcodes, and other industrial applications.

RYNAN i-TIJ

- Compact and mobile design for flexible integration
- Multi-line management via H-MCS software platform
- Seamless integration into existing production lines
- Robust and durable for industrial environments



TECHNICAL SPECIFICATIONS

	i-PRO	i-MAX	i-REACH	i-REACH XL
Printing Technology	TIJ 2.5	1 Inch TIJ	Brady TIJ	Brady TIJ
Product Dimensions	205.5 x 50.4 x 77mm	205.5 x 50.4 x 77mm	216.2 x 57 x 92.6mm	216.2 x 57 x 92.6mm
Product Weight	506g	499g	509g	509g
Display	10" HMI LCD Screen (Optional) • Remote control via web browser			
Power Supply	DC 24V-2.5A 60W			
Resolution	Max 600 DPI	Max 300 DPI	Max 300 DPI (Zion) Max 600 DPI (Yellowstone)	Max 300 DPI (Sedona/Denali)
Print Speed	76 m/min	76 m/min	60 m/min	45 m/min
Throw Distance	Up to 5mm	Up to 5mm	Up to 10mm	Up to 10mm
Density	3 levels			

FEATURES

Wide Range Of Print Types	Text • Counter • Box/Lot • Datetime • Expiry Date Julian Date • Shiftcode • Image • Database 1D & 2D Barcodes (Code 11, Code 39, Code 128, EAN, QR, Datamatrix, GS2 Datamatrix)
Printable Height	Max 12.7mm (i-PRO) · Max 25.4mm (i-MAX) · Max 13.5mm (Zion/Yellowstone) (i-REACH) · Max 27mm (Sedona/Denali) (i-REACH XL)
Connections	Dual Built-in internal sensors · Ethernet RJ45 · GX20 Encoder, Alarm beacon · Input & Output NPN · RS232, RS485
Template Length	1.5m
Operating Environment	Temperature 10 - 40°C, Humidity 40 – 80%, Non-condensing
Advanced Features (All Models)	• POD (Print online data) Integrate with other devices PLC, Camera, Checkweigher) via RJ45
	• Speed detection with dual sensors
3rd Party Software	• Loftware NiceLabel
Print Modes	• Continuous mode, Sensor mode, Sensor repeat mode
Free Design	• Free design in template up to 12.7mm (i-PRO) • Free design in template up to 25.4mm (i-MAX) • Free design in template up to 13.5mm (i-REACH) • Free design in template up to 27mm (i-REACH XL)
Printable Characters	Windows TrueType Fonts
Print Languages	English (default), Vietnamese, Chinese (PRC), Turkish, Korean, Russian, Japanese, Hebrew, Spanish, Thai, Portuguese and Arabic
System Languages	English (default), German, Vietnamese, Chinese, Korean, Russian, Portuguese, Spanish, Polish, Greek and Italian (and others)

B1040

Compact TIJ2.5 Single Head Variable Data Printer

The B1040 PRO and B1040 MAX are designed to excel in modern production environments with remote network access for seamless integration and management. They support direct variable data printing, eliminating the need for an external PC, ensuring easy installation and flexibility across diverse production lines.





B1040 PRO

The B1040 PRO is a compact, advanced TIJ printer for high-speed applications, offering a maximum print height of 12.7mm and speeds up to 76m/min at 300 DPI, extendable to 600 DPI for high-resolution printing. It supports all languages and excels in batch coding for expiry dates and lot numbers on food, beverage, and pharmaceutical product packaging.

Print height of up to
12.7mm

High quality
600 DPI
max print resolution

High speed up to
76m/min
at 300 DPI

B1040 MAX

The B1040 MAX features a 1-Inch TIJ printer with a print height of up to 25.4mm, tailored for applications needing larger content like 2D barcodes on secondary packaging across industries. With speeds up to 76m/min at 300 DPI, it balances print height and speed, ideal for secondary packaging where clarity and legibility are crucial.

Print height of up to
25.4mm

High quality
300 DPI
max print resolution

High speed up to
76m/min
at 300 DPI

TECHNICAL SPECIFICATIONS

	B1040 PRO	B1040 MAX
Printing Technology	TIJ 2.5	1 Inch TIJ
Product Dimensions	120.6 x 86.1 x 90.5mm	120.6 x 86.1 x 95.05mm
Product Weight	644.7g	650.5g
Display	3.5" LCD Screen	
Power Supply	AC 100V–240V, 50/60Hz, DC 24V 2.5A	
Resolutions	Max 600 DPI	Max 300 DPI
Print Speed	Up to 76m/min at 300 DPI	Up to 76m/min at 300 DPI
Density	3 levels	
Throw Distance	Up to 5mm	

FEATURES

Wide Range Of Print Types	Text • Counter • Box/Lot • Datetime • Expiry Date • Julian Date Shiftcode • Image • Database 1D & 2D Barcodes (Code 11, Code 39, Code 128, EAN, QR, Datamatrix, GS1 Datamatrix)
Printable Height	Max 12.7mm / Max 25.4mm
External Connections	Built-in sensor · External Sensor Encoder and Alarm beacon
Template Length	1.5m
Database	TXT, CSV, SQL, SQLite, MySQL
Advance Features (All Models)	· POD (Print online data) Integrate with other devices (PLC, Camera, Checkweigher) via RJ45 · Real-time Printing · WYSIWYG (what you see is what you get) · Data upload, Backup & Recovery via USB
(B1040 PRO Only)	· Free design in template up to 12.7mm
(B1040 MAX Only)	· Free design in template up to 25.4mm
Printable Characters	Windows TrueType Fonts
Print Languages	English (default),Vietnamese, Chinese (PRC), Turkish, Korean, Russian, Japanese, Hebrew, Spanish, Thai, Portuguese and Arabic
System Languages	English (default), German, Vietnamese, Chinese, Korean, Russian, Turkish, Portuguese, Spanish, Polish, Greek and Italian (and others)

R10e

Compact 7" Touch Screen Controller & Variable Data Printer

The R10e controller with its compact design, is ideal for applications requiring a single printhead. Offering versatility with support for PROe, MAXe, or REACHe printheads, it's well-suited for environments where space is limited but high-quality printing is essential.









R10e PROe

The RYNAN R10e PROe utilizes TIJ 2.5 technology, offering design flexibility across various products. With a half-inch (12.7mm) printhead, it achieves high-speed, high-resolution printing at 600 DPI or 76 m/min at 300 DPI. Ideal for applications needing speed and quality, it is perfect for batch coding on food, beverage, and pharmaceutical packaging.

Print height of up to
12.7mm

High quality
600 DPI
max print resolution

High speed up to
76m/min
at 300 DPI

R10e MAXe

The RYNAN R10e MAXe utilizes One Inch TIJ Technology and is designed for applications requiring larger print heights. With it's staple One Inch (25.4mm) printhead, it achieves large, clear and bold prints at speeds of 76 m/min at 300DPI. It is best suited for printing large barcodes on packaging that benefit from a larger print height.

Print height of up to
25.4mm

High quality
300 DPI
max print resolution

High speed up to
76m/min
at 300 DPI

R10e REACHe

The RYNAN R10e REACHe utilizes Brady TIJ technology, offering flexibility in printing across various surfaces. It is capable of high-quality prints of 45m/min at 300DPI, long-throw printing of up to 10mm and 13.5mm in print height making it ideal for uneven or curved surfaces.

Print height of up to
13.5mm

High quality
300 DPI
max print resolution

High speed up to
45m/min
at 300 DPI

TECHNICAL SPECIFICATIONS

	R10e PROe	R10e MAXe	R10e REACHe
Printing Technology	TIJ 2.5	1 Inch TIJ	Brady TIJ
Controller Dimensions		195 x 151.7 x 51 mm	
Printhead Dimensions	190.3 x 52.58 x 91.96 mm	190.4 x 52.58 x 104.96 mm	135.9 x 64.57 x 84.65 mm
Controller Weight		1100 g	
Print Head Weight	402.97 g	390.77 g	338.79 g
Display		7" LCD Touch Screen	
Power Supply		DC 24V 2.5A, 60W	
Resolutions	Max 600 DPI	Max 300 DPI	Max 300 DPI
Print Speed	Up to 76m/min at 300 DPI	Up to 76m/min at 300 DPI	Up to 45m/min at 300 DPI
Density		3 levels	
Throw Distance	Up to 5mm	Up to 5mm	Up to 10mm

FEATURES

Wide Range Of Print Types	Text • Counter • Box/Lot • Datetime • Expiry Date • Julian Date Shiftcode • Image • Database • 1D & 2D Barcodes (Code 11, Code 39, Code 128, EAN, QR, Datamatrix, GS1 Datamatrix)		
Printable Height	Max 12.7mm	Max 25.4mm	Max 13.5 mm
External Connections	Built-in sensor · External Sensor Encoder and Alarm beacon		
Template Length	1.5m		
Database	TXT, CSV, SQL, SQLite, MySQL		
Advance Features (All Models)	· Free design in template · Real-time printing · WYSIWYG(what you see is what you get) · Data upload, backup & recovery vis USB · POD (Print online data) Integrate with other devices (PLC,Camera,Checkweigher) via RJ45		
(R10e PROe Only)	· Free design in template up to 12.7mm		
(R10e MAXe Only)	· Free design in template up to 25.4mm		
(R10e REACHe Only)	· Free design in template up to 13.5mm		
Printable Characters	Windows TrueType Fonts		
Print Languages	English (default),Vietnamese, Chinese (PRC), Turkish, Korean, Russian, Japanese, Hebrew, Spanish, Thai, Portuguese and Arabic		
System Languages	English (default), German, Vietnamese, Chinese, Korean, Russian, Turkish, Portuguese, Spanish, Polish, Greek and Italian (and others)		

R20e

Dynamic 7" Touch Screen Controller & Variable Data Printer



The R20e controller features a compact design optimized for applications requiring dual printheads and seamless stitched capabilities. Offering versatile support for PROe, MAXe, or REACHe printheads, it is the ideal solution for space-limited environments that demand volume without compromising on high-quality output.







R20e PROe

The RYNAN R20e utilizes TIJ 2.5 technology, offering design flexibility across various products. With stitched printheads, it achieves up to 1 inch (25.4mm) print height and high-speed, high-resolution printing at 600 DPI or 76m/min at 300 DPI. Ideal for applications requiring speed and quality, ideal for batch coding on F&B and pharmaceutical packaging.

Print height of up to
25.4mm

High quality
600 DPI
max print resolution

High speed up to
76m/min
at 300 DPI

R20e MAXe

The RYNAN R20e MAXe utilizes One Inch TIJ technology and is designed for applications requiring larger print heights. With a print height of up to 2 Inches (50.8mm) with stitched printheads, it achieves large, clear and bold prints at speeds of up to 76m/min at 300 DPI. Well suited for printing barcodes on packaging that benefit from a larger print height.

Print height of up to
50.8mm

High quality
300 DPI
max print resolution

High speed up to
76m/min
at 300 DPI

R20e REACHe

The RYNAN R20e REACHe utilizes Brady TIJ technology, offering flexibility in printing across various surfaces. It is capable of high-quality prints at speeds of 45m/min at 300 DPI, long-throw printing of up to 10mm and 27mm in print height with stitched printheads, making it ideal for uneven or curved surfaces.

Print height of up to
27mm

High quality
300 DPI
max print resolution

High speed up to
45m/min
at 300 DPI

TECHNICAL SPECIFICATIONS

	R20e PROe	R20e MAXe	R20e REACHe
Printing Technology	TIJ 2.5	1 Inch TIJ	Brady TIJ
Controller Dimensions		195 x 148 x 51 mm	
Printhead Dimensions	190.4 x 81.78 x 85.6mm	190.4 x 81.78 x 98.2mm	135.9 x 93.38 x 86.8mm
Controller Weight		1,215g	
Print Head Weight	799g	786.2g	647.2g
Display		7" LCD Touch Screen	
Power Supply		DC 24V 2.5A, 60W	
Resolutions	Max 600 DPI	Max 300 DPI	Max 300 DPI
Print Speed	Up to 76m/min at 300 DPI	Up to 76m/min at 300 DPI	Up to 45m/min at 300 DPI
Density		3 levels	
Throw Distance	Up to 5mm	Up to 5mm	Up to 10mm

FEATURES

Wide Range Of Print Types	Text • Counter • Box/Lot • Datetime • Expiry Date • Julian Date Shiftcode • Image • Database • 1D & 2D Barcodes (Code 11, Code 39, Code 128, EAN, QR, Datamatrix, GS1 Datamatrix)		
Printable Height	25.4mm / 2 heads	50.8mm / 2 heads	27mm / 2 heads
External Connections	Built-in sensor · External Sensor Encoder and Alarm beacon		
Template Length	1.5m		
Database	TXT, CSV, SQL, SQLite, MySQL		
Advance Features (All Models)	· Free design in template · Real-time printing · WYSIWYG(what you see is what you get) · Data upload, backup & recovery vis USB · POD (Print online data) Integrate with other devices (PLC,Camera,Checkweigher) via RJ45		
(R20e PROe Only)	· Free design in template up to 25.4mm / 2 heads		
(R20e MAXe Only)	· Free design in template up to 50.8mm / 2 heads		
(R20e REACHe Only)	· Free design in template up to 27mm / 2 heads		
Printable Characters	Windows TrueType Fonts		
Print Languages	English (default),Vietnamese, Chinese (PRC), Turkish, Korean, Russian, Japanese, Hebrew, Spanish, Thai, Portuguese and Arabic		
System Languages	English (default), German, Vietnamese, Chinese, Korean, Russian, Turkish, Portuguese, Spanish, Polish, Greek and Italian (and others)		

R20

The Next Generation Of RYNAN TIJ Printers With a 7" Touch Screen Controller That Connects To Up To Two Printheads.



The R20 is a TIJ controller from RYNAN's R-Series, equipped with LVDS for improved signal integrity and reliability. It is designed to offer versatility and performance in coding and marking applications across various industries. It can seamlessly integrate with three specialized printheads: PRO, MAX, and REACH, each engineered to meet distinct printing requirements.







R20 PRO

The R20 PRO utilizes TIJ 2.5 technology to offer flexibility for printing on a wide range of materials. Equipped with a half-inch (12.7mm) printhead, it delivers high-speed, high-resolution printing at 600 DPI, with speeds of up to 76m/min at 300 DPI. This makes it ideal for applications requiring both speed and quality. The R20 PRO supports up to two printheads, providing a total print height of 25.4mm, which is perfect for batch coding on food, beverage, and pharmaceutical packaging.

Print height of up to
25.4mm

High quality
600 DPI
max print resolution

High speed up to
76m/min
at 300 DPI

R20 MAX

The R20 MAX utilizes One Inch TIJ Technology and is designed for applications requiring larger print heights. With its one-inch (25.4mm) printhead, it delivers large, clear, and bold prints at speeds of up to 76m/min at 300 DPI. The R20 MAX supports up to two printheads, providing a total print height of 50.8mm, which is perfect for printing on secondary packaging.

Print height of up to
50.8mm

High quality
300 DPI
max print resolution

High speed up to
76m/min
at 300 DPI

R20 REACH

The R20 REACH utilizes Brady TIJ technology to provide flexible printing solutions across a variety of surfaces. Equipped with up to two REACH printheads, it delivers high-quality prints at 300 DPI, with speeds of up to 45m/min. With a print height of up to 27mm and long-throw capability of up to 10mm, it is ideal for applications requiring accuracy on uneven or curved surfaces.

Print height of up to
27mm

High quality
300 DPI
max print resolution

High speed up to
45m/min
at 300 DPI

TECHNICAL SPECIFICATIONS

	R20 PRO	R20 MAX	R20 REACH
Printing Technology	TIJ 2.5	1 Inch TIJ	Brady TIJ
Controller Dimensions		214.4 x 138.6 x 49.9mm	
Printhead Dimensions	173.7 x 49.1 x 64mm	173.7 x 49.1 x 75.8mm	136.1 x 64.6 x 86.85mm
Controller Weight		1102.8g	
Print Head Weight	284.8g	308.8g	312.4g
Display		7" LCD Touch Screen	
Power Supply		AC 100V-240V, 50/60Hz, DC 24V-2.5A	
Resolutions	Max 600 DPI	Max 300 DPI	Max 300 DPI
Print Speed	Up to 76m/min at 300 DPI	Up to 76m/min at 300 DPI	Up to 45m/min at 300 DPI
Density		3 levels	
Throw Distance	Up to 5mm	Up to 5mm	Up to 10mm

FEATURES

Wide Range Of Print Types	Text • Counter • Box/Lot • Datetime • Expiry Date • Julian Date Shiftcode • Image • Database • 1D & 2D Barcodes (Code 11, Code 39, Code 128, EAN, QR, Datamatrix, GS1 Datamatrix)
Printable Height	Max 25.4mm / 2 heads Max 50.8mm / 2 heads Max 27 mm / 2 heads
External Connections	Built-in sensor · LVDS Port · External Sensor Encoder and Alarm beacon
Template Length	1.5m
Database	TXT, CSV, SQL, SQLite, MySQL
Advance Features (All Models)	· POD (Print online data) Integrate with other devices (PLC, Camera, Checkweigher) via RJ45 · Real-time Printing · WYSIWYG (what you see is what you get) · Data upload, Backup & Recovery via USB
(R20 PRO Only)	· Free design in template up to 25.4mm (2 heads)
(R20 MAX Only)	· Free design in template up to 50.8mm (2 heads)
(R20 REACH Only)	· Free design in template up to 27mm (2 heads)
Printable Characters	Windows TrueType Fonts
Print Languages	English (default),Vietnamese, Chinese (PRC), Turkish, Korean, Russian, Japanese, Hebrew, Spanish, Thai, Portuguese and Arabic
System Languages	English (default), German, Vietnamese, Chinese, Korean, Russian, Turkish, Portuguese, Spanish, Polish, Greek and Italian (and others)

R60

The Premium RYNAN TIJ Printer with a 10" Touch Screen Controller That Connects To Up To Six Printheads.



The R60 is a premium TIJ controller from RYNAN's R-Series, equipped with LVDS to offer versatility and performance in coding and marking applications across various industries. It has the ability to seamlessly integrate with three specialized printheads: PRO, MAX, and REACH, each engineered to meet distinct printing needs.



R60 PRO

The R60 PRO utilizes TIJ 2.5 technology to offer flexible printing solutions across a wide range of materials, including both porous and non-porous surfaces. Equipped with half-inch (12.7mm) printheads, it delivers high-speed, high-resolution printing at 600 DPI, and can achieve speeds of up to 76m/min at 300 DPI. This makes the R60 PRO ideal for high-demand applications requiring both speed and precision. Additionally, it supports up to 6 lanes for batch coding, making it an excellent choice for coding multi lane food, beverage, and pharmaceutical manufacturing.

Print height of up to
76.2mm

High quality
600 DPI
max print resolution

High speed up to
76m/min
at 300 DPI



R60 MAX

The R60 MAX utilizes 6 One Inch TIJ technology to offer flexibility for applications requiring larger print heights. Equipped with a one-inch (25.4mm) printhead, it delivers large, clear, and bold prints at 300 DPI, with speeds of up to 76m/min. This makes it ideal for applications demanding both size and clarity. The R60 MAX supports up to six printheads, providing a total print height of 152.4mm, which is perfect for printing on secondary packaging.

Print height of up to
152.4mm

High quality
300 DPI
max print resolution

High speed up to
76m/min
at 300 DPI



R60 REACH

The R60 REACH utilizes Brady TIJ technology to offer flexibility for printing on a wide range of surfaces. Equipped with up to six REACH printheads, it delivers high-quality prints at 300 DPI, with speeds of up to 45m/min. With a print height of up to 81mm and long-throw capability of up to 10mm, it is ideal for applications requiring precision on uneven or curved surfaces.

Print height of up to
81mm

High quality
300 DPI
max print resolution

High speed up to
45m/min
at 300 DPI

TECHNICAL SPECIFICATIONS

	R60 PRO	R60 MAX	R60 REACH
Printing Technology	TIJ 2.5	1 Inch TIJ	Brady TIJ
Controller Dimensions		305.6 x 200.9 x 64.2mm	
Printhead Dimensions			
(1 Printhead)	140.5 x 46 x 80.4mm	140.5 x 45.9 x 94.5mm	136.2 x 64.6 x 83.1mm
(2 Printheads)	140.5 x 80.7 x 92.8mm	140.5 x 80.8 x 119.5mm	136.2 x 99.5 x 95.5mm
(3 Printheads)	140.5 x 111.9 x 105.2mm	140.5 x 107.8 x 144.3mm	136.2 x 134.4 x 107.9mm
(4 Printheads)	140.5 x 142.9 x 117.6mm	140.5 x 135.8 x 169mm	136.2 x 166.7 x 120.2mm
(6 Printheads)	140.5 x 209.9 x 142.7mm	140.5 x 203.5 x 219.2mm	136.2 x 145.1 x 251.3mm
Controller Weight		2750g	
Display		10" LCD Touch Screen	
Power Supply		AC 100V–240V, 50/60Hz, DC 24V-2.5A	
Resolutions	Max 600 DPI	Max 300 DPI	Max 300 DPI
Print Speed	Up to 76m/min at 300 DPI	Up to 76m/min at 300 DPI	Up to 45m/min at 300 DPI
Density		3 levels	
Throw Distance	Up to 5mm	Up to 5mm	Up to 10mm

FEATURES

Wide Range Of Print Types	Text • Counter • Box/Lot • Datetime • Expiry Date • Julian Date Shiftcode • Image • Database • 1D & 2D Barcodes (Code 11, Code 39, Code 128, EAN, QR, Datamatrix, GS1 Datamatrix)
Printable Height	Max 76.2mm / 6 heads Max 76.2mm / 6 heads Max 81mm / 6 heads
External Connections	External Sensor • Encoder and Alarm beacon
Template Length	1.5m
Database	TXT, CSV, SQL, SQLite, MySQL
Advance Features (All Models)	• POD (Print online data) Integrate with other devices (PLC, Camera, Checkweigher) via RJ45 • Real-time Printing • WYSIWYG (what you see is what you get) • Data upload, Backup & Recovery via USB
(R60 PRO Only)	• Free design in template up to 76.2mm (6 heads)
(R60 MAX Only)	• Free design in template up to 152.4mm (6 heads)
(R60 REACH Only)	• Free design in template up to 81mm (6 heads)
Printable Characters	Windows TrueType Fonts
Print Languages	English (default),Vietnamese, Chinese (PRC), Turkish, Korean, Russian, Japanese, Hebrew, Spanish, Thai, Portuguese and Arabic
System Languages	English (default), German, Vietnamese, Chinese, Korean, Russian, Turkish, Portuguese, Spanish, Polish, Greek and Italian (and others)

R10H

Compact Handheld TIJ Printer Designed For Seamless Integration Into Production Lines

With it's Wi-Fi capabilities, the R10H enables easy wireless setup, real-time monitoring, and remote control via smart devices offering greater flexibility and efficiency for coding and marking operations.



TECHNICAL SPECIFICATIONS

Printing Technology	1 Inch TIJ
Handheld Dimensions	146.8 x 60.3 x 246.8 mm
Handheld Weight	744g w/o Battery, 962g w Battery
Operating Time	Up to 8 Hours
Battery Capacity	3000mAh
Interface Screen	5" LCD Capacitive Touchscreen
Resolutions	Max 300 x 600 DPI
Print Speed	30m/min
Density	3 levels
Throw Distance	Up to 5mm

FEATURES

Wide Range Of Print Types	Text • Counter • Box/Lot • Datetime • Expiry Date • Julian Date Shiftcode • Image • Database • 1D & 2D Barcodes (Code 11, Code 39, Code 128, EAN, QR, Datamatrix, GS1 Datamatrix)
Printable Height	Max 25.4mm
External Connections	USB 2.0 · Wi-Fi via USB
Template Length	1.5m
Database	TXT, CSV, SQL, SQLite, MySQL
Advance Features	· Free design in template up to 1 inch (25.4mm) · XML-based communication for direct integration with Loftware NiceLabel · Backup & Restore of Printer Settings · POD (Print online data) via USB Wi-Fi Connection · Remote access via USB Wi-Fi Connection
Printable Characters	Windows TrueType Fonts
Print Languages	English (default), Simplified Chinese (PRC), Traditional Chinese (ROC), Czech, Spanish, Greek, Hindi, Hungarian, Hebrew, Farsi, Japanese, Korean, Urdu, Portuguese, Russian, Arabic, Slovak, Thai, Vietnamese, Turkish (and others)
System Languages	English (default), German, Vietnamese, Korean, Russian, Simplified Chinese, Turkish, Portuguese, Spanish, Polish, Greek, Italian, Hebrew, Thai, French, Traditional Chinese ROC, Arabic, Czech, Dutch, Indonesian, Japanese, Bengali,Bulgarian, Croatian, Albanian, Finnish, Hungarian, Macedonian, Romanian, Serbian, Slovenian, Slovak, Ukrainian

R-CURE

Efficient UV Curing For Printing Processes



The R-CURE is a compact Efficient UV Curing Device for Diverse Industries.

- **Easy to use**
- **Compact**
- **Rapid Curing**

TECHNICAL SPECIFICATIONS

Wavelength	395nm
Optical Power	13W/cm2
Effective Irradiated Area	70*20mm
Lamp Power	180W
Recommended Height	2-5mm
Cooling Method	Air-Cooled
UV Lamp Dimensions	90*45(50.5)*123mm
Power Input	DC 5-24V

R-LINK

Barcode Verification System



R-LINK is a fast, reliable barcode verification system that ensures accurate scanning, printing, and error detection. It supports all R-Series printers, B1040 PRO and MAX models.

- **Reliable Barcode Scanning Verification**
- **Accurate Code Database Check**
- **Detect Duplicate Codes Easily**

TECHNICAL SPECIFICATIONS

Communication	Supports all Cognex DM-Series cameras
Features	Print data management and control (txt, csv file) Operating Mode • Print & Verify mode • Verify & Print mode Data Verification Support • Readability of Barcode • Barcode data with a static string • Barcode data exists in the database • Barcode data is not duplicated Output error signal for rejector / third party system
Operating System Support	Windows 10, 11

Inks

Scan the QR Code to view our updated Ink Selection



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