



Reimagine Coding & Marking With Us



Product Catalogue

Developed by RYNAN Technologies Pte Ltd

B1040

Compact TIJ 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 2.5 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 40m/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
40m/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
Print Head 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 40m/min at 300 DPI
Density	3 levels	
Throw Distance	1 - 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, MySQL, SQLite	
Advance Features (All Models)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • Free design in template up to 12.7mm 	
(B1040 MAX Only)	<ul style="list-style-type: none"> • Free design in template up to 25.4mm 	
Printable Characters	Windows true 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)	

R10

Compact & advanced TIJ 5" Touch Screen Controller

The R10 controller with its compact design, is ideal for applications requiring a single printhead. Offering versatility with support for PRO, MAX, or REACH printheads, it's well-suited for environments where space is limited but high-quality printing is essential.



R10 PRO

The R10 PRO utilizes TIJ 2.5 technology to provide versatile printing solutions across a wide range of materials. Equipped with a half-inch (12.7mm) printhead, it delivers high-resolution prints at 600 DPI, with speeds of up to 76m/min at 300 DPI. This makes the R10 PRO ideal for applications that require both speed and precision. It is particularly well-suited 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



R10 MAX

The R10 MAX utilizes One Inch TIJ Technology and is designed for applications that demand larger print heights. With its one-inch (25.4mm) printhead, it produces clear, bold prints at speeds of up to 40m/min at 300 DPI. The R10 MAX is an excellent choice for printing large barcodes on secondary packaging that benefit from increased print height.

Print height of up to
25.4mm

High quality
300 DPI
max print resolution

High speed up to
40m/min
at 300 DPI



R10 REACH

The R10 REACH utilizes Funai TIJ technology to offer flexible printing capabilities on various surfaces. Equipped with a single REACH printhead, it delivers high-quality prints at 300 DPI, with speeds of up to 45m/min. With a print height of up to 13.5mm and a long-throw distance of up to 10mm, the R10 REACH is perfect for applications that require precise printing on 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 x 200 DPI

TECHNICAL SPECIFICATIONS

R10 PRO

R10 MAX

R10 REACH

Printing Technology	TIJ 2.5	1 Inch TIJ	FUNAI TIJ
Controller Dimensions	156 x 107 x 40 mm		
Printhead Dimensions	216.4 x 49.1 x 65 mm	216.4 x 49.1 x 77.8 mm	210.4 x 60.8 x 96.4 mm
Controller Weight	622 g		
Print Head Weight	412.4 g	430 g	584 g
Display	5" 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 40m/min at 300 DPI	Up to 25m/min at 300 DPI
Density	3 levels		
Throw Distance	1 - 5mm	1 - 5mm	1 - 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 13.5mm
External Connections	Built-in sensor • External Sensor Encoder and Alarm beacon		
Template Length	1.5m		
Database	TXT, CSV, SQL, MySQL, SQLite		
Advance Features (All Models)	<ul style="list-style-type: none"> • 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 		
(R10 PRO Only)	<ul style="list-style-type: none"> • Free design in template up to 12.7mm 		
(R10 MAX Only)	<ul style="list-style-type: none"> • Free design in template up to 25.4mm 		
(R10 REACH Only)	<ul style="list-style-type: none"> • Free design in template up to 13.5mm 		
Printable Characters	Windows true 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 40m/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
40m/min
at 300 DPI



R20 REACH

The R20 REACH utilizes Funai 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 x 200 DPI

TECHNICAL SPECIFICATIONS

R20 PRO

R20 MAX

R20 REACH

Printing Technology	TIJ 2.5	1 Inch TIJ	Funai 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 40m/min at 300 DPI	Up to 45m/min at 300 x 200 DPI
Density	3 levels		
Throw Distance	1 - 5mm	1 - 5mm	1 - 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, GSI 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, MySQL, SQLite		
Advance Features (All Models)	<ul style="list-style-type: none"> • POD (Print online data) Integrate with other devices (PLC, Camera, Checkweigher) via RJ45 • Real-time Printing • WYSIWYC (what you see is what you get) • Data upload, Backup & Recovery via USB 		
(R20 PRO Only)	<ul style="list-style-type: none"> • Free design in template up to 25.4mm (2 heads) 		
(R20 MAX Only)	<ul style="list-style-type: none"> • Free design in template up to 50.8mm (2 heads) 		
(R20 REACH Only)	<ul style="list-style-type: none"> • Free design in template up to 27mm (2 heads) 		
Printable Characters	Windows true 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.



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 40m/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.



R60 REACH

The R60 REACH utilizes Funai 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
76.2mm

High quality
600 DPI
max print resolution

High speed up to
76m/min
at 300 DPI

Print height of up to
152.4mm

High quality
300 DPI
max print resolution

High speed up to
40m/min
at 300 DPI

Print height of up to
81mm

High quality
300 DPI
max print resolution

High speed up to
45m/min
at 300 x 200 DPI

TECHNICAL SPECIFICATIONS

R60 PRO

R60 MAX

R60 REACH

Printing Technology	TIJ 2.5	1 Inch TIJ	Funai 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 40m/min at 300 DPI	Up to 45m/min at 300 x 200 DPI
Density	3 levels		
Throw Distance	1 - 5mm	1 - 5mm	1 - 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 152.4mm / 6 heads	Max 81mm / 6 heads
External Connections	External Sensor • Encoder and Alarm beacon		
Template Length	1.5m		
Database	TXT, CSV, SQL, MySQL, SQLite		
Advance Features (All Models)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • Free design in template up to 76.2mm (6 heads) 		
(R60 MAX Only)	<ul style="list-style-type: none"> • Free design in template up to 152.4mm (6 heads) 		
(R60 REACH Only)	<ul style="list-style-type: none"> • Free design in template up to 81mm (6 heads) 		
Printable Characters	Windows true 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)		

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/cm ²
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
Features	<p>Print data management and control (txt, csv file)</p> <p>Operating Mode</p> <ul style="list-style-type: none">• Print & Verify mode• Verify & Print mode <p>Data Verification Support</p> <ul style="list-style-type: none">• Readability of Barcode• Barcode data with a static string• Barcode data exists in the database• Barcode data is not duplicated <p>Output error signal for rejector / third party system</p>
Operating System Support	Windows 10, 11

Inks

HP TIJ 2.5



Solvent Inks For Non-porous Substrates

SoluJET® 2770K	●
SoluJET® 2706K	●
SoluJET® 2705B	●
SoluJET® 2705G	●

Methanol Free Solvent Inks

SoluJET® 2780K	●
SoluJET® 2707K	●
SoluJET® 2707W	●
SoluJET® 2707R	●
SoluJET® 2707G	●
SoluJET® 2707B	●
SoluJET® 2707O	●
SoluJET® 2707C	●
SoluJET® 2770K	●
SoluJET® 2720K	●

Aqueous Inks For Stable Porous Substrates

HydraJET® 2020K	●
HydraJET® 2018K	●
HydraJET® 2110K	●
HydraJET® 2020B	●
HydraJET® 2022R	●
HydraJET® 2030R	●
HydraJET® 2030G	●
HydraJET® 2030B	●

Edible Inks For Printing On Food Products

AnJET 2050R	●
AnJET 2050G	●
AnJET 2050B	●

Security Inks For Various Substrates

SoluJET® 2550R	●
SoluJET® 2550B	●
SoluJET® 2520B	●

UV Curable Inks

SoluJET® 2750W	●
SoluJET® 2750K	●

One-Inch TIJ



Solvent Inks

3770K	●
3707R	●
3720K	●

Aqueous Inks

3020K	●
3020R	●
3020B	●
3022R	●

FUNAI TIJ



Solvent Inks

FUNAI MEK - 5802K	●
FUNAI MEK - 5901K	●
FUNAI MEK - 5901R	●
FUNAI MEK - 5720K	●
FUNAI MEK - 5720R	●

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Vietnam

Long Tri Hamlet,
Long Duc Commune Tra Vinh City,
Tra Vinh Province, Vietnam

India

FF-11, Omaxe Avenue, Omaxe City,
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Pradesh 226025, India



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