R20

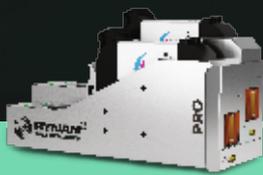## The Next Generation Of RYNAN TIJ Printers With a 7" Touch Screen Controller That Connects To Up To Two Printheads.

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 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 DPI

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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 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)