



PACKTRONIC

EXCELLENCE IN TRACEABILITY

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 Output) • 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)		

