

R60 & PRO Controller Printhead



The RYNAN R60 PRO represents cutting-edge printing technology with its 10-inch controller designed to manage up to 6 high-speed TIJ 2.5 printheads. This industrial-grade printing solution delivers exceptional performance with maximum 600 DPI resolution and print speeds reaching up to 76 meters per minute at 300 DPI. The system features a user-friendly 10-inch LCD touch screen interface that provides real-time device information and system monitoring capabilities.

Built with versatility in mind, the R60 PRO supports an extensive range of print types including text, counters, box/lot numbers, datetime stamps, expiry dates, Julian dates, shiftcodes, images, and database integration. The system handles both 1D and 2D barcodes seamlessly, including Code 11, Code 39, Code 128, EAN, QR codes, Datamatrix, and GS1 Datamatrix formats. With a printable height of up to 76.2mm across 6 printheads and a template length of 1.5 meters, this controller offers unprecedented flexibility for industrial marking and coding applications.

600

Maximum DPI

High-resolution
printing capability

76

Meters Per Minute

Print speed at 300 DPI

6

Printheads

Independent printhead
capacity

76.2

MM Print Height

Maximum printable
area

Technical Specifications & Advanced Features

The R60 PRO controller measures 305.6 x 200.9 x 64.2 mm and weighs 2,750g, while individual printheads weigh just 234.2g each. The system operates on AC 100V-240V, 50/60Hz power supply with DC 24V 9.2A output, ensuring reliable performance across various industrial environments. Printhead configurations range from single units (140.5 x 46 x 80.4 mm) to full 6-printhead assemblies (140.5 x 209.9 x 142.7 mm), providing scalable solutions for different production requirements.

Advanced features include WYSIWYG (what you see is what you get) template design, POD (Print Online Data) integration with PLCs, cameras, and checkweighers via RJ45 connectivity, and comprehensive data management through USB backup and recovery. The system supports real-time printing with external sensor, encoder, and alarm beacon connections. Multi-language support includes English, German, Vietnamese, Chinese, Korean, Russian, Turkish, Portuguese, Spanish, Polish, Greek, Italian, Japanese, Hebrew, Thai, and Arabic, making it suitable for global deployment. Database compatibility with TXT and CSV formats enables seamless integration with existing production management systems.



10" LCD Touch Screen

Intuitive interface for real-time monitoring and control



POD Integration

Connect with PLCs, cameras, and checkweighers



Database Support

TXT and CSV file compatibility



Multi-Language

Support for 15+ languages worldwide

Print Capabilities

- Text, Counter, Box/Lot Numbers
- Datetime, Expiry Date, Julian Date
- Shiftcode, Images, Database Integration
- 1D & 2D Barcodes (Code 11, 39, 128, EAN, QR, Datamatrix, GS1)
- Windows True Fonts with Free Template Design
- 3 Print Density Levels
- 5mm Throw Distance

System Features

- WYSIWYG Template Design up to 76.2mm
- Real-Time Printing Capability
- External Sensor & Encoder Connections
- Alarm Beacon Integration
- USB Data Upload, Backup & Recovery
- 1.5m Template Length
- Modular Printhead Configuration (1-6 units)

