



EXCELLENCE IN TRACEABILITY

# R60 & MAX Controller



 INDUSTRIAL PRINTING

The R60 & MAX represents cutting-edge industrial printing technology, featuring a powerful 10-inch controller designed to manage up to six one-inch TIJ (Thermal Inkjet) printheads simultaneously. This sophisticated system delivers exceptional print quality at speeds up to 40 meters per minute with a maximum resolution of 300 DPI, making it ideal for high-volume production environments requiring precise, reliable marking and coding solutions.

Built for versatility and performance, the system features a user-friendly 10-inch LCD touch screen interface and supports an extensive range of printing applications. From simple text and counters to complex 1D and 2D barcodes including QR codes, Datamatrix, and GS1 Datamatrix, the R60 & MAX handles diverse marking requirements with ease. The controller's compact dimensions of 305.6 x 200.9 x 64.2 mm house powerful capabilities, while the modular printhead design allows for flexible configuration from one to six printheads, accommodating print heights up to 152.4mm.

## High-Speed Performance

Print speeds up to 40m/min  
at 300 DPI with adjustable 3-  
level print density

## Flexible Configuration

Supports 1-6 independent printheads with maximum 152.4mm printable height

## Advanced Connectivity

External sensor, encoder,  
alarm beacon, and RS485  
integration with PLC systems

# Technical Specifications & Features

The R60 & MAX system combines robust hardware with intelligent software capabilities to deliver comprehensive printing solutions for modern manufacturing environments. The controller operates on AC 100V-240V power supply with 50/60Hz frequency, converting to DC 24V 9.2A for stable, reliable operation. With a throw distance of just 5mm, the system maintains precise print quality even in challenging production conditions.

## Print Capabilities

- Text, counters, and box/lot numbers
- Date/time and expiry date marking
- Julian dates and shift codes
- Image printing and database integration
- 1D & 2D barcodes (Code 11, 39, 128, EAN, QR, Datamatrix)

## System Features

- WYSIWYG template design up to 1.5m length
- Real-time printing with POD capability
- Database support (TXT, CSV formats)
- USB data upload, backup & recovery
- Windows true fonts support

The system's multilingual capabilities set it apart in global manufacturing environments. Print languages include English, Vietnamese, Chinese, Turkish, Korean, Russian, Japanese, Hebrew, Spanish, Thai, Portuguese, and Arabic, while system languages extend to German, Polish, Greek, and Italian among others. This extensive language support ensures seamless integration into diverse production facilities worldwide.



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## Contact Packtronic

### Head Office (JHB)

Email: [enquiries@packtronic.co.za](mailto:enquiries@packtronic.co.za)

Phone: +27 11 956 6692

### Winelands (CPT)

Email: [salesct@packtronic.co.za](mailto:salesct@packtronic.co.za)

Phone: +27 21 518 0888

Visit [packtronic.co.za](http://packtronic.co.za) for more information about the R60 & MAX controller and our complete range of industrial printing solutions.