

R10e & REACHe Controller and Printhead

EXCELLENCE IN TRACEABILITY



The R10e controller paired with the REACHe printhead represents a cost-effective, high-performance thermal inkjet (TIJ) printing solution powered by Funai technology. This sophisticated system combines a user-friendly 7-inch LCD resistive touch screen controller with an advanced printhead capable of delivering exceptional print quality at speeds up to 45m/min at 300x200 DPI resolution. With a maximum throw distance of 10mm and printable height up to 13.5mm, this system offers versatility for various industrial marking and coding applications.

The system supports an extensive range of print types including text, counters, box/lot numbers, datetime stamps, images, expiry dates, Julian dates, shiftcodes, and database integration. It handles both 1D and 2D barcodes (Code 11, Code 39, Code 128, EAN, QR, Datamatrix, CSI Datamatrix) with ease. The controller features WYSIWYG design capabilities, real-time printing, and data management via USB for upload, backup, and recovery. Advanced features include POD (Print Online Data) integration with PLCs, cameras, and checkweighers via RJ45 connectivity when upgraded to the PRO version.

1

Maximum DPI

300 × 600 mm High-resolution printing capability

2

45 Meters Per Minute

Print speed at 300x200 DPI

3

10mm Throw Distance

Maximum printing distance

4

13.5mm Print Height

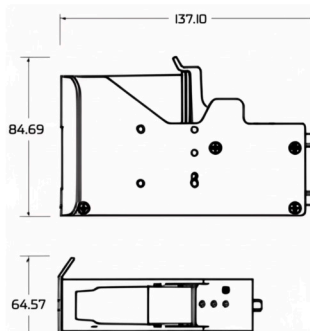
Maximum printable height

With support for 27 print languages and 33 system languages, the R10e & REACHe system provides global versatility. The controller measures 195 x 151.7 x 51mm and weighs 1,100g, while the compact printhead dimensions are 135.9 x 64.57 x 84.65mm at just 338.79g. Operating reliably in temperatures from 10-40°C and humidity levels of 40-80% (non-condensing), this system uses solvent-based ink with private smartchip security technology. External connections include built-in sensor, DVI port, external sensor, encoder, and alarm beacon capabilities, with database support for TXT, CSV, SQL, SQLite, and MySQL formats.

Technical Specifications & Design

Controller Features

- 7-inch LCD resistive touch screen interface
- DC 24V 2.5A, 60W power supply
- 195 x 151.7 x 51mm compact dimensions
- 1,100g lightweight design
- DVI 1.8m standard data cable
- Built-in and external sensor support
- Encoder and alarm beacon connections
- USB data upload, backup & recovery



Printhead Capabilities

- Funai TIJ printing technology
- Maximum 300 x 600 DPI resolution
- 135.9 x 64.57 x 84.65mm dimensions
- 338.79g ultra-lightweight construction
- 3-level density adjustment
- Up to 10mm throw distance
- 1.5m template length at 300x200 DPI
- Windows true fonts support



Versatile Print Types

Text, counters, box/lot numbers, datetime, images, expiry dates, Julian dates, shiftcodes, and full database integration



Complete Barcode Support

1D and 2D barcodes including Code 11, Code 39, Code 128, EAN, QR, Datamatrix, and CSI Datamatrix formats



Global Language Support

27 print languages and 33 system languages including English, Chinese, Spanish, Arabic, Japanese, Korean, and more



Advanced Integration

Database support for TXT, CSV, SQL, SQLite, MySQL with POD integration for PLCs, cameras, and checkweighers

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