

# JL303 Series

## The Efficient Currency Sorter & Value Counter



The JL303 is our powerful 3-pocket fitness sorter that will greatly reduce your workload. Being fully compliant with ECB-regulations, it is formidable addition to Julong's innovative product range. The machine can be used near the register as a reliable aid to the cashiers or in a back-office environment to greatly speed up the daily routine and enable precise bookkeeping.

### Efficiency

The JL303 is all about efficiency. Whereas 2-pocket machines need two runs to complete the fitness sorting process into the three categories Fit, Unfit, and Reject, the JL303 only needs one. This will immensely increase the efficiency of your sorting process.

The JL303 is thus equipped with numerous processing modes. Apart from value counting,

where the total monetary value is determined, and piece counting, used to count vouchers for example, the JL303 is also able to sort banknotes according to fitness criteria. The three preset fitness modes represent different sensitivities and follow ECB regulations. The machine can also sort banknotes according to their orientation, creating a uniform appearance when stacking ATMs or handing out money to customers.

### Highlights:

- Up to 70% more throughput per day compared to 2-pocket machines
- 3 pockets allow for efficient cash processing
- Polymer readability completely unproblematic
- 4 image sensors provide twice the security
- Extremely high resolution (200 dpi)
- Mechanical thickness measurement

### Julong Europe GmbH

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## The Sensors

The detection module within the JL303 contains three CIS image detectors and one light source. The entire surface area is photographed and scanned on both sides of the banknote, ensuring that any irregularities are detected. The abundance of sensors raises the security of the cash handling process to the highest level, unmatched by competing machines.

The JL303 is the only machine of its size whose sensors will detect tape on the note's entire surface area.

Light of differing wave-lengths, ranging from ultraviolet to infrared is scanning every note. Information such as value, geometrical data, thickness, and security features is analyzed and checked by the internal micro processor. Magnetic features are checked on the banknote's entire surface area and a unique procedure decodes the security thread.

The JL303 examines banknotes with a level of precision that was in the past only achievable by large back-office sorters.

The user-friendly touchscreen displays the data in a comprehensive and clear manner and will, thorough advanced self-diagnosis, keep the user informed on the machine's status. By following the instructions on screen, unlikely events such as jams or malfunctions can be alleviated easily.

## Experience with Polymer Banknotes

Our portfolio of 12 currencies, spanning around the globe, is continuously expanded upon. Our machines have been processing, among others, Canadian Dollars, Israeli Shekels, and Hong Kong Dollars for many years and have always yielded great results. Julong machines are able to handle the aforementioned currencies with their polymer features without problems.

## "Our Money" – ECB Certificate

The machine's cutting-edge ES2-platform ensures that you are able to process future ES2-banknotes, and lets you be prepared for anything the banknotes from the ECB's Europe series, have to offer.

## Serial Number Recognition

The image recognition module with its multiple CIS is able to recognize each banknote's individual serial number and fully decode it. It can compare the serial numbers to blacklists, either stored internally or externally via network, and will notify the operator if a blacklisted number was found. This will stop counterfeit money immediately at the branch level and greatly hinder its spread.

## Technical Data

Pocket-Capacities	500 notes (Feeder) 200 notes (Pocket 1 and 2) 100 notes (Reject Pocket)
Modes	Fitness-/Denomination-/Face- /Orientation-Sorting, Value-/Piece-Counting
Detection	Infrared, Security Thread, UV, Magnetic Ink, Mechanical Thickness
Speed	Value Counting: 900 notes/min. Fitness Sorting: 600 notes/min.
Display	4,3" LCD Touchscreen
Interface	USB, LAN, RS-232, Serial
Banknote Size	From 120mm x 53mm (min.) to 200mm x 87mm (max.)
Power Supply & Usage	220V ± 10%, 50-60Hz, 150 Watt
Dimensions	330mm x 410mm x 460mm (L x W x H)
Weight	28kg

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