JL305 Series

The Professional Currency Sorter

The unique features of Julong's Advanced Currency Sorter JL305 allow it to spearhead the competition in terms of efficiency. The concept of "virtual pockets" doubles the capacity and will greatly increase your productivity.

Virtual Pockets

The JL305 is equipped with an ingenious mechanism allowing it to pass banknotes from full pockets to a depository, thus freeing up the pocket for the micro processor to continue processing more notes. Physically the JL305 is, in its basic configuration, equipped with four output-pockets and one reject-pocket. Thanks to the "virtual pockets" the machine is able to effectively double this number.

The virtual pockets allow the machine to be continuously fed with banknotes, thus maximizing efficiency. The JL305 is superior to other machines, especially in those cases where notes are sorted according to multiple parameters.

The JL305's entire transportation route is straight and flat. This greatly reduces the risk of jamming and banknote overlay. In the unlikely case of a jam the machine's entire top cover can be removed, presenting the whole transportation route and allowing to clear any jams effortlessly.

Highlights:

- In full compliance with ECB regulations
- High level of security
- Easy to operate
- Blacklist comparison
- 900 notes a minute
- 6 different models available

The Display

The touchscreen with its navigation functions is both informative and user-friendly. The JL305 is easy to operate and is supplying the operator with a multitude of important information. The VGA (*Video Graphics Array*) flatscreen is not only showing processing results but also the current status of the machine. The screen can be adjusted, allowing for the JL305 to be operated both while sitting down and standing up.

Performance and Processing

The micro processor runs on a Linux operating system and represents the "heart" of the machine. It gives the JL305 many additional advantages, such as levels of connectivity, upgradability, and speed, unmatched by other operating systems. Serial number recognition and their comparison to blacklists, tracking counterfeit banknotes, denomination sorting, and banknote/voucher verification, are just some of its features. The machine is able to process up to 900 banknotes per minute, depending on the operating mode. Additionally it has an automated start-stop function and configurable presets, such as sorting criteria, batch-stops, or total accumulation.

The Sensors

The JL305 is equipped with a number of state of the art sensors. Each sensor gathers information of both the front and the back of the banknote. Three advanced contact image sensors collect information on both sides of the banknote and its condition, such as total surface area, conformity with security features, missing parts, or degree of attrition.

"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 new banknotes from the ECB-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 at the most vital level and facilitate communication between central- and commercial banks.

Technical Data

Number of Pockets	Standard Configuration Physical: 5 (4+1); In Reality: 9 (8+1) Maximal Configuration: Physical: 8 (6+2); In Reality: 14 (12+2)
Modes	Fitness-/Denomination-/Face-/Orientation-Sorting, Value-/Piece-Counting
Detection	Infrared, Security Thread, UV, Magnetic Ink, Mechanical Thickness
Pocket-Capacities	1000 notes (Feeder) 250 notes (Output-Pockets) 200 notes (Reject-Pocket)
Speed	Counting: 900 notes/min. Sorting: 750 notes/min.
Power Supply	220V ± 10%, 50-60Hz
Power Usage	150W
Dimensions	from: 1034mm x 380mm x 404mm (L x W x H)
Weight	from: 67kg