ESSEGI AUTOMATION

ISM 500

- Ready for INDUSTRY 4.0
- Integration ready for ERP - MES - P&P

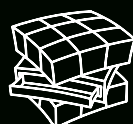| PRODUCTION EMPOWERMENT | TIME SAVING | NO MISTAKE | SPACE SAVING | RH CONTROL | AUTO-DETECT CODES 1D/2D | MONEY SAVING FAST R.O.I. |

Storagesolutions.it® division

Shelves features

Up to 640 configurable positions (minimum position dimensions: 34 x 620 x 130 mm I width x depth x height) 3 LEDs per position to manage up to three extractions at the same time. It is possible to manage multiple items in each position:

Version	Positions* for 7" reels, tubes, JEDEC trays, etc	Positions* for 7/13/15" reels, tubes, JEDEC trays, etc	Positions* for tubes, etc
ISM 500 - Standard	80	160*	-
ISM 500 - 10 Shelves	400	-	-
ISM 500 - 16 Shelves	-	-	640

* 9 reels 7" 8mm per position. Ie. ISM 500 STANDARD can stock up to 2160 reels

Technical Data

Dimensions	Width = 1,765 m/5,790 ft Depth = 0,85 m / 2,624 ft
Min Height (For transport)	2,15 m / 7,053 ft
Operative Height	2,215m/7.267ft with feet adjusted to 110mm
Weight	310 kg (empty) - 900 (full configuration)
Humidity control	Optional
Monitor	Touch Screen 5"

ISM 500

The ISM5OO intelligent dynamic warehouse has been developed to satisfy the storage needs of the most varied types of components. With the possibility of configuring up to 640 different positions, in the ISM5OO intelligent static warehouse it is possible to insert 7 /13/15" reels, JEDEC trays, SMT and PTH tubes, screen-printing frames and foils, printed circuits, PTH components, etc... Equipped with three luminous LED signals per position, the dynamic warehouse will indicate the position of the components to be extracted and, by reading the code with a PDA scanner, will prevent the incorrect removal of components. For the inserting phase, the operator will only have to read the code to be inserted and the system will suggest the position. However, the operator will still have the possibility of inserting the component in a different position of his own choice. This offers a dynamic management of the positions in order to exploit the space available so as to reach maximum capacity.

The ISM5OO intelligent static warehouse is configured with the humidity control module. It is thus possible to control and monitor humidity, to maintain an internal environment with a humidity of less than 5%. .

Software ISM

The ISM software springs from direct needs emerged in more than 17 years working in the electronics industry. Thanks to a close collaboration with the most diverse realities in the electronic field and to many years of development, the ISM Software can meet the needs of the electronic production at 360°.

The quantity control, component traceability, automatic extraction depending on the job order, the automatic calculation of the components used and their inventories, etc., are just some of the features of this software especially designed for warehouse management of electronic components.

Life cicle reel management: incoming, tracing and updating
The software monitors the life cycle of each single reel / tube or other format, from incoming until it is exhausted, by constantly updating its position at each loading or unloading and the quantity of components still present after each production.

Stock Analysis for Purchases Planning
The software stores the components necessary to produce a variety of boards. With this information the user can easily insert the number of boards to be produced and check whether in the stock is available the sufficient amount of components to complete the production or not. Otherwise, the software processes the list of missing components for the purchase department.

Warehouse Analysis for Production Planning
The software is able to analyze the availability of components for more productions at the same time, verifying the feasibility also based on the sequence of estimated launch.

Flexible set of logical tracking, analysis and extraction
The system is capable to use both linear bar codes and 2D (Data Matrix) according to customer's specification. For example, it is possible to design tailed 1D and 2D labels, set the system to extract multiple reels of the same component to speed up pick & place production or prioritize the extractions using FIFO or based on the shelf-life of the reel.

Humidity monitoring and SMD components management
If at least one of the purchased warehouse is equipped with Humidity Control Unit, the software will track for each reel the humidity levels to which it is exposed and for how long, indicating in the analysis the components in stock that have exceeded the level of exposure allowed.
In the case of mixed systems, sensitive components can be set to be stored only in machines with humidity control.

Other Software Features
• SMT Stock Management
• THT Stock Management
• Externals Storage Management
• Mobile Software
• PDA Mobile Software
• Led Binning Management
• External storage management
• Reels Pictures Traceability
• Software unit for automatic extraction from Pick and Place
• API ERP/P&P software interfacing module
• Feeder management
• F.I.F.O. logic