Intelligent Management System
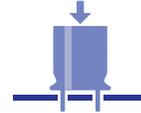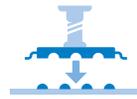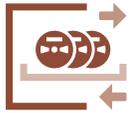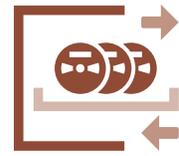
ISM 500

JUKI

JUKI Smart Solutions

Intelligent Dehumidified Cabinet
For the storage of the most different types of components.
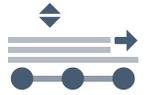
With the possiblity of configuring up to 640 different positions, in the ISM500 intelligent static warehouse it is possible to insert 7/13/15" reels, JEDEC trays, SMT and PTH tubes, screen-printing frames and foils, printed circuits, PTH components, and more!

FEATURE 1: Wide variety of storage

IMS 500 can store coils, microprocessors trays, SMT and PTH sticks, frames, stencil plates and many other materials.

FEATURE 2: Wide selection of positions

Up to 640 different positions for 7/13/15 inch reels.

FEATURE 3: Zero picking errors

Three LED light signals indicate the exact location of the components to be extracted. A PDA reader indicates the component code, to avoid errors in the picking phase.

FEATURE 4: Dynamic storage, no waste

The components do not have a fixed and determined position, but can be loaded at any free space available. In this way there is a dynamic management of positions and the store always reaches its maximum capacity, without waste of space.

FEATURE 5: High security lock

On demand it is possible to apply electronic locks that allow access to components to authorized persons only.

FEATURE 6: Humidity control module plug and play

Like all ISM models, ISM 500 can also be equipped with the humidity control module. The storage environment is always under control and the moisture level is constantly below 5%.

FEATURE 7: Accurate calculation of the "Floor Life"

Thanks to the ISM software, the expiration of each component is calculated and plotted with absolute precision. The software prevents use of components whose period of exposure to moisture values higher than 5% has expired. In this way, the expired components can be extracted quickly from the store and brought to the oven for the "baking".

Dynamic management with PDA

Positions with configurable separators

FEATURE 8: ISM Software

The ISM software springs from direct needs that have 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 four years of development, the ISM Software can meet the needs of the electronic production at 360°.

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.

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.

Specification

Technical Data	
Dimensions	Width = 1,754 m/ 5.75 ft Depth = 0,8 m/ 2.62 ft
Min Height (for transport)	2,15 m/ 7 ft
Operative Height	2,20 m adjustable up untill 2,26 m (7,2/7,4 ft)
Weight	Weight: 350-850 kg (depending on configuration)
Power supply	110V - 230V; 50/60Hz
Power consumption	average 0,2 KWh - max. 0,8 KWh
Humidity control	Up to 12 dehumifiers
Monitor	Touch Screen

Version	Position for 7" reels, tubes, JEDEC trays, etc.	Position 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

Hardware Options	On request
Humidity Control - 8 dehumifiers	✓
Fast recovery unit	✓
Precision Camera Reader 5MP	✓
Precision Camera Reader 13MP	✓
(PDA) Mobile computer with 1D, 2D (datamatrix) scanner	✓
1D manual barcode scanner	N.A.
1D/2D manual barcode scanner	N.A.
2D Wireless manual barcode scanner	N.A.
Server PC	✓
Standard PC	✓
External backup Hard Disk	✓
External Canera Station	✓
External Label Printer	✓
Electronic Lock	✓

Hardware and Software	Included by default
Humidity Control - 4 dehumifiers	✓
ESD Setup	✓
Multi Item Management option	✓

JAB CM001 | ISO 14001 JSAE389 | UKAS ENVIRONMENTAL MANAGEMENT 089

JUKI CORPORATION HEAD OFFICE
The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

*Please refer to the product specifications for details.
■JUKI Specifications and appearance may be changed without notice.