

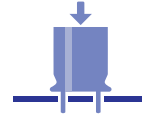
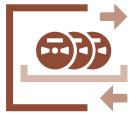
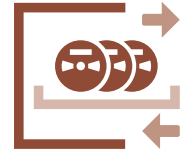
Intelligent Management System  
**ISM 500**

**JUKI**

JUKISmart Solutions

Intelligent Dehumidified Cabinet

*For the storage of the most different types of components.*



With the possibility 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

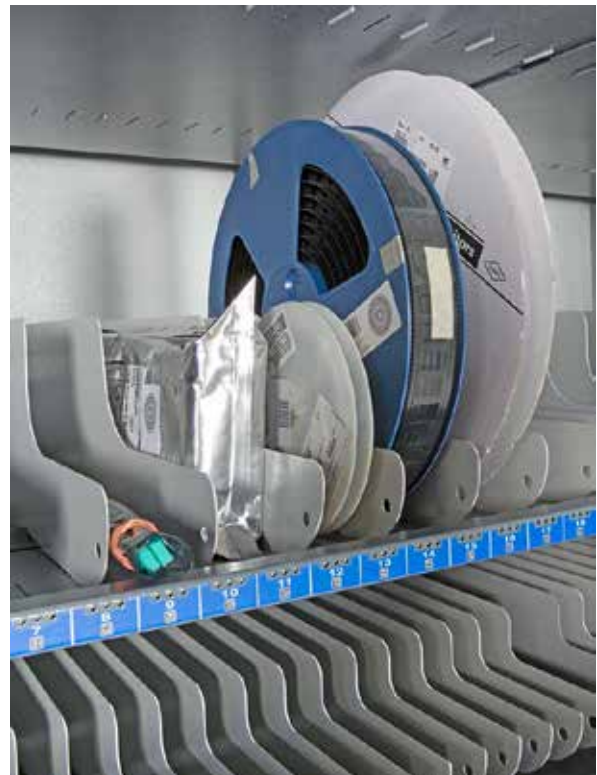
Like all ISM models, ISM 500 can also be equipped with the humidity control module. The storage environment is always under control and a dry internal humidity is maintained.

## 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 years of constant development and improvement, the ISM Software can meet the needs of the electronic production at 360°.

### Warehouse analysis for production planning

The software can analyze the availability of components for several jobs at the same time, ensuring there are no last minutes shortages causing wasted time and money.

### Stock analysis for purchases planning

The software maintains a database of all reels and inventory by part number. Minimum stock quantities can be set for each part number. This data, along with the production plan, can be shared with purchasing to ensure there are no last minute surprises or line-stopping shortages.

## 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	✓



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.

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