

ISM-400

Dynamic Intelligent Storage Management

ISM-1100 / ISM-2000

Automatic Intelligent Storage Management



High Value Intelligent Storage Management Solutions by JUKI



leads to **LOWEST COST**
OF OWNERSHIP

JUKI®

A Partnership You Can Count On

Sales and Service by JUKI - three years warranty!

ISM-400

Intelligent Storage Management

- Dynamic material management
- Max. 480 configurable positions
- Min. position dimension (WxDxH): 34 x 620 x 130 mm
- Possibility to manage multiple items in each position
 - Example: up to 9 reels 7" H = 8 mm; total capacity of 3600 reels 7" H = 8 mm
- Possible number of shelves: 6, 8, 10 and 12
- Dimensions (WxDxH): 1550 x 810 x 2220 mm (1550 x 900 x 2220 mm with humidity control unit)
- Weight: 350 to 670 kg (depending on configuration)
- Power supply: 110V to 230V; 50/60 Hz
- Max. power consumption: 0.2 kWh (0.6 kWh with humidity control unit)



ISM-1100

Intelligent Storage Management

- Automatic material management with 7" cases (7" reels)
- Reel heights: 8, 12 or 16 mm
- Max. 1100 reels 7" H = 8 mm
- Max. extraction of 27 reels at a time
- Less than 5% humidity with humidity control unit
- Dimensions (WxDxH): 1735 x 920 x 2220 mm
- Weight: 360 kg (empty) to 600 kg (full cases)
- Power supply: 110V to 230V; 50/60 Hz
- Max. power consumption: 1.0 kWh (1.4 kWh with humidity control unit)
- Operating System: MS Windows XP or 7 / MS Win Server 2003 or 2008
- LCD Screen



ISM-2000

Intelligent Storage Management

- Automatic material management with 7" and 15" cases (reels 7", 13", 15" or JEDEC trays)
- Reel height: 8, 12, 16 or 24 mm
- Max. JEDEC tray height: 32 mm
- Max. 2059 reels 7" H = 8 mm
- Max. extraction of 27 reels at a time
- Less than 5% humidity with humidity control unit
- Dimensions (WxDxH): 2630 x 1650 x 2420 mm
- Weight: 1350 kg (empty) to 1650 kg (full cases)
- Power supply: 110V to 230V; 50/60 Hz
- Max. power consumption: 1.2 kWh (2.0 kWh with humidity control unit)
- Operating System: MS Windows XP or 7 / MS Win Server 2003 or 2008
- LCD Screen



Dynamic storage management with ISM-400

The ISM-400 intelligent storage management system has been developed to satisfy the storage need of the most varied types of components. The storage system allows the configuration of up to 480 different positions with the possibility to store 7/13/15" reels, JEDEC trays, SMT and PTH tubes, screen printing frames and foils, printed circuits, PTH components, etc.



Read barcode for insertion and extraction of components



Red LED on (to extract)



Green LED on (confirmation of completed extraction)



Possibility of managing all different kind of material (reels, tubes, tray, frames, etc.)

Automatic material management with ISM-1100 and ISM-2000

The ISM-1100 and ISM-2000 intelligent storage management systems have been specially designed to achieve an optimum performance in regard of storage capacity and total size. The automated systems allow fast insertion and extraction of reels and JEDEC trays stored in standard cases. The patented multiple outlet allows the simultaneous extraction and insertion of up to 27 reels at a time.



7" reel / 8 mm



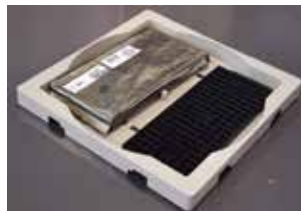
7" reel / 12 and 16 mm



13" and 15" reel / 8 to 16 mm



13" and 15" reel / 8 to 24 mm



JEDEC trays of up to 32 mm

Intelligent storage management software

The software for the management of the ISM systems is able to satisfy the demands for a precise and functional control of the components necessary for the company production process.



Quantity control, component traceability, automatic extraction according to the job order, automatic calculation of the components used and of the respective remainders in stock, etc., are only some of the functions of this software conceived for warehouse management. In combination with JUKI - IFS, you will have a fully closed software system to enable a perfect material flow management in your production area.

Barcode format

All reels are codified with an univocal code to assure omnidirectional reading



Circular barcode, data matrix barcode readers are also available (printed from the intelligent storage management or from JUKI - IFS)

Wireless extraction (optional)



The module for automatic wireless extraction allows the operator to extract "duplicate" reels directly from the Pick&Place without having to return to the PC work station.

Humidity control unit (optional)



The Humidity Control Unit Option allows to have an internal environment of RH <5% inside any intelligent storage management system. This module consist a dedicated software to trace the humidity of any component inside the ISM systems.

Specification

Model	ISM-400	ISM-1100	ISM-2000
General			
Storage possibilities	all different kind of material reels, tubes, tray, frames, etc.	7" reels (reel heights of 8, 12 or 16 mm)	7", 13" and 15" reels (reels heights of 8, 12, 16 or 24 mm) JEDEC trays up to 32 mm
Max. configurable positions	480	1100	2059
Max. number of 7" reels 8 mm	3600		
Dimensions (WxDxH)	1,550 x 810 x 2,200 mm 1,550 x 900 x 2,200 mm* * (with humidity control unit)	1,735 x 920 x 2,200 mm	2,630 x 1,650 x 2,420 mm
Weight	350 to 670 kg (depending on configuration)	360 kg (empty) 600 kg (full cases)	1350 kg (empty) 1650 kg (full cases)
Power supply	110 to 230 V; 50/60 Hz		
Max. power consumption	0.2 kWh 0.6 kWh* * (with humidity control unit)	1.0 kWh 1.4 kWh* * (with optional humidity control)	1.2 kWh 2.0 kWh* * (with optional humidity control)
Control system			
Component insertion and extraction	manual	automatic	automatic
Max. automatic extractions at a time	---	27	27
Operating system	---	MS Windows XP or 7; MS Win Server 2003 or 2008	
LCD Screen	---	Yes	Yes
LED controls	Yes	---	---
Options			
Humidity control unit	Yes (< 5% humidity)	Yes (< 5% humidity)	Yes (< 5% humidity)
Wireless extraction	---	Yes	Yes

*All specifications are subject to change.



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JUKI specifications and appearance may be changed without prior notice.

<http://www.juki.co.jp>

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