

Specification

*The external dimensions do not include protrusions.
 *1*2*3 The power consumption [] assumes the use of the following dehumidifiers.
 *1 HCU2.0 x1 unit *2 HCU2.0 x2 units *3 HCU1.0 x4 units



	ISM 3600	ISM 3600 F.A.	ISM 1800
Dimensions (W × D × H[with HCU])	2,533 × 1,673 × 2,453[2,722] mm	2,532 × 1,673 × 2,453[2,722] mm	1,710 × 1,622 × 2,217[2,486] mm
Weight	1,133kg(empty)–1,685kg(with case)	1,196kg(empty)–1,763kg(with case)	826kg(empty)–1,015kg(with case)
Power consumption	Single phase 200–230V;50/60Hz		
Air consumption[with HCU]	0.3kW [0.9kW*1, 1.6kW*2]	0.3kW [0.9kW*1, 1.6kW*2]	0.3kW [0.9kW*1, 1.6kW*2]

	ISM 1100	ISM 500	ISM 3900
Dimensions (W × D × H[with HCU])	1,735 × 936 × 2,200 mm	1,755 × 799 × 2,185 mm	2,534 × 1,379 × 2,453[2,722] mm
Weight	460kg(empty)–600kg(with case)	505kg(empty)•6 shelves –940kg(empty)•16 shelves	1,090kg(empty)–1,706kg(with case)
Power consumption	Single phase 200–230V;50/60Hz		
Air consumption[with HCU]	0.3kW [0.82kW*3]	0.1kW [0.7kW*1]	0.3kW [0.9kW*1, 1.6kW*2]

ISM 3600, 3600 F.A., 3900, 1800, 1100 Case quantity

*Please contact our sales for more details.
 *4 Purchasing additional cases makes you expand the reel storage capacity.
 *5 *6 Individual shims(for 15") are included. *5 80shims *6 40shims

Model	Sub model name	Type	7" case			13"/15" case						
			8 mm	16 mm	24 mm	8 mm	16 mm	24 mm	32 mm	44 mm	48 mm	
ISM 3600	7" ONLY	Single case Max 7" 3,506/8mm	A	2,472	592	94	–	–	–	–	–	–
			B	2,962	384	–	–	–	–	–	–	–
			C	3,506	–	–	–	–	–	–	–	–
		Double case Max 7" 1,810/8mm	A	1,260	300	49	–	–	–	–	–	–
			B*4	1,471	198	–	–	–	–	–	–	–
			C*4	1,726	–	–	–	–	–	–	–	–
	15" ONLY	Single case Max 15" 875/8mm	A	–	–	–	271	179	84	55	–	13
			B*5	–	–	–	33	443	94	–	–	–
		Double case Max 15" 900/8mm	A	–	–	–	270	180	86	55	–	14
			B*5	–	–	–	30	446	98	–	–	–
	7"+15" MIX	Single case Max 7" 1,862/8mm 15" 411/8mm	A	1,320	314	44	126	84	40	24	–	8
			B*6	1,610	176	–	12	206	48	–	–	–
			C*6	1,862	–	–	10	192	60	–	–	–
		Double case Max 7" 960/8mm 15" 425/8mm	A	670	160	23	125	85	40	25	–	8
			B*4*6	674	186	–	12	207	49	–	–	–
			C*4*6	912	–	–	10	195	60	–	–	–
	ISM 3600 F.A.	7" ONLY	Single case	2,452	588	88	–	–	–	–	–	–
		15" ONLY		–	–	–	262	175	88	52	–	14
7"+15" MIX		Single case	1,312	316	48	119	82	41	25	–	7	
ISM 3900	7" ONLY	Single case	2,626	626	100	–	–	–	–	–	–	
		Double case	1,339	318	52	–	–	–	–	–	–	
	15" ONLY	Single case	–	–	–	282	189	89	58	–	15	
		Double case	–	–	–	287	191	91	58	–	16	
	7"+15" MIX	Single case	1,324	314	44	139	94	44	28	–	9	
		Double case	674	160	23	140	96	45	28	–	10	
ISM 1800	7" ONLY	Double case	656	141	23	–	–	–	–	–	–	
	15" ONLY		–	–	–	140	74	36	30	–	17	
	7"+15" MIX		344	84	23	66	37	19	9	–	6	
ISM 1100	STANDARD		998	112	–	–	–	–	–	–	–	
	BALANCED		501	417	–	–	–	–	–	–	–	
	H12 / H16		–	768	–	–	–	–	–	–	–	

ISM 500 position

*Please contact our sales for more details.

Model	Sub model name	Total Quantity Position	Shelves	Hight of shelves : 100 mm		Hight of shelves : 180 mm 7" reel		Hight of shelves : 380 mm 7"/13"/15" reel	
				Position	Shelves	Position	Shelves	Position	Shelves
ISM 500	06 STANDARD	240	6	–	–	80	2	160	4
	10 Shelves	400	10	–	–	400	10	–	–
	16 Shelves	640	16	560	14	80	2	–	–



Intelligent Storage Management System

ISM Series



MANUFACTURE : ESSEGI AUTOMATION S.r.l

www.essegiautomation.com

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 www.juki-smt.com www.jukiamerica.com www.jukichina.com www.smtjukiindia.com

JUKI Smart Solutions

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

Feb. - 2026/Rev.08

What is *ISM Series*

ISM Series is basically an automatic warehouse. ISM can load and unload parts automatically. BUT not only that, ISM is also a solution that manages parts efficiently and effectively.

Many practical benefits

- Reduces inventory counts
- Follows FIFO order
- Prevents from collecting errors
- Simplifies parts data retrieval
- Eliminates duplication
- Saves spaces
- Humidity control and MSD tracking
- Bag and cut tape management
- More efficient use of work force
- Thorough management of records



ISM Series Lineup



AMR integrated model
ISM 3600 F.A.



Large capacity,
flexible configuration
ISM 3600



Compact size
ISM 1800



7inch reels only
ISM 1100



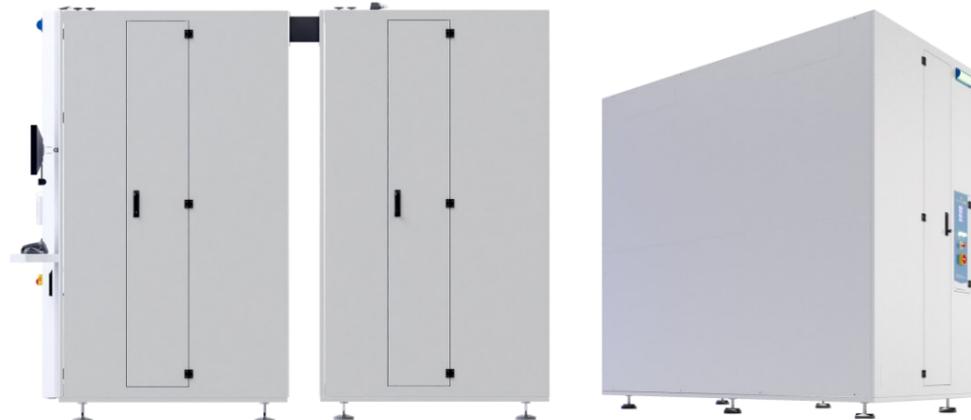
Semi-automatic
Storage cabinet
ISM 500



Pick-To-Light Dynamic Storage
Smart Rack Mobile



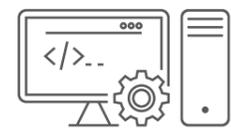
Storage extension module for ISM3600
ISM 3900



Parts Registration System
Incoming Material Station 2.0



ISM software server
AutoSMD



Visualization
Dashboard



Cases



ESD SAFE



ITEM-FRIENDLY

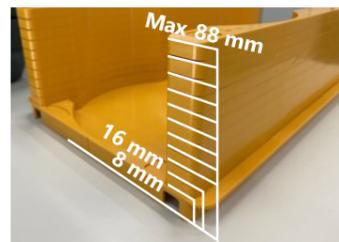
3 types



Thickness adjustable

Maximum 88mm

Optimize storage space



Available for various parts

For individual/spare parts and tray.

General purpose case compatible (OP)



※NON-ESD



ISM Series Features

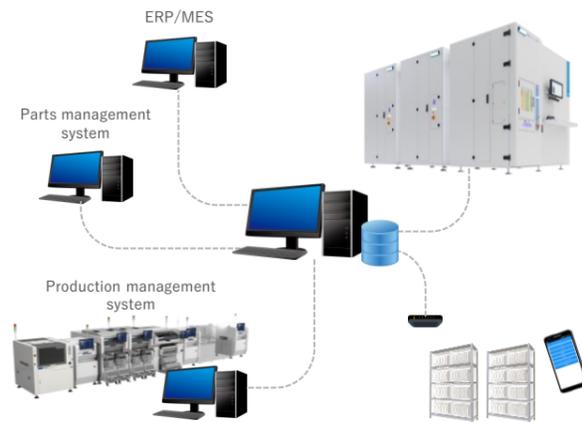
Insertion & Extraction at one time



- Cases can be stock up to 27/54 reels at one shot
- Load & unload one place without walking around the warehouse

System Integration

- File exchange and Web API standard
- Inventory, location, and MSL management
- Integration with core systems and others



Easy Layout

- Easy to relocate*1
- Scalability

※1 Please consult with us in advance

Saving Spaces



- Save upper dead space
- Free location

External Shelf Management



- Normal shelf and drybox managed by ISM server
- No limitation on shape, size or weight

Traceability

- Traceability in each parts
- Defective parts traceability

Skill Less

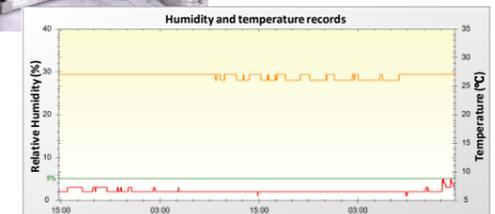
- Easy and simple operation
- Take less time

Humidity Control

- Dehumidifier can be equipped *2
- System management of floor life *3



- ※2 Dehumidifier is equipped on top of a machine. Please refer to the spine for dimensions.
- ※3 Moisture absorption life when exposed to air after opening moisture-proof packaging.



ISM Series Before & After

Registration

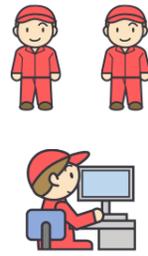
Load & reload

Unload

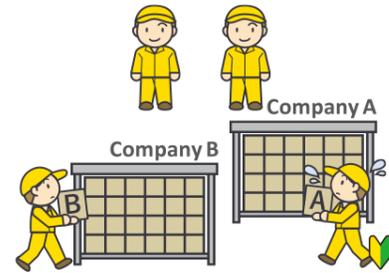
Setup and production

Counting / Traceability

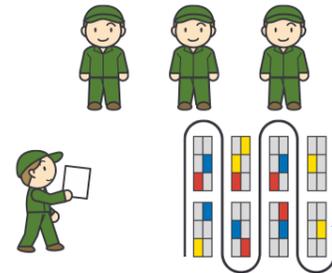
Before



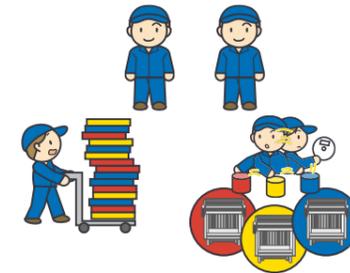
- Manual operation
- Double checking by 2+ people



- Fixed location
- Separate management for each customer



- Walk around shelves
- Right-In / Left-Out
- Picking errors

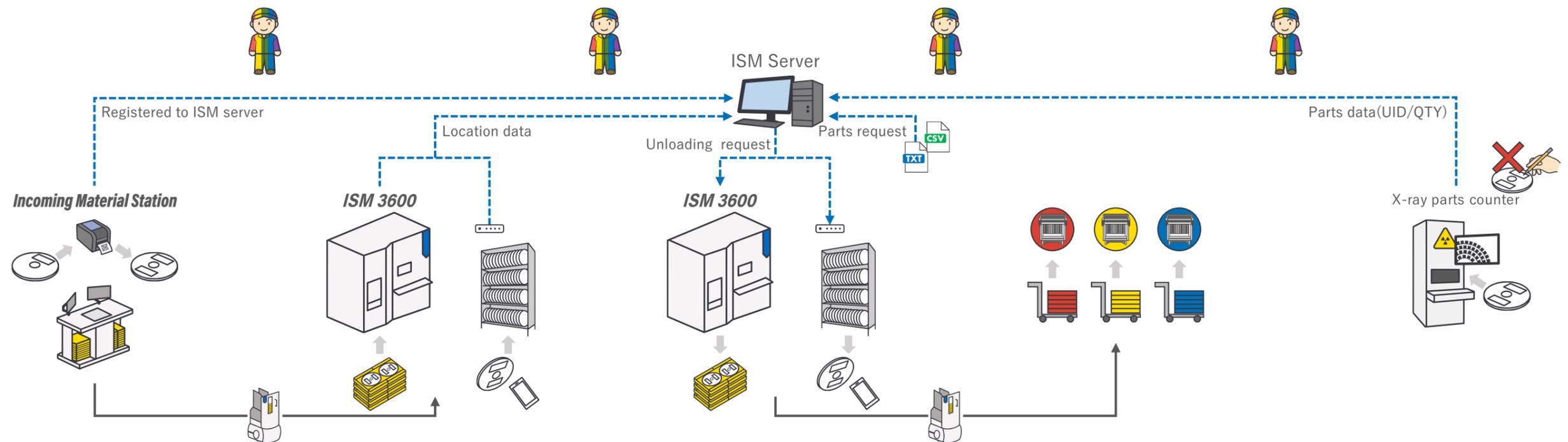


- Sorting work for each trolley
- Rearranging in the order of feeders (cassettes)



- Counting
- MSL calculation
- Inventory

After



- ✓ IMS auto recognition
- ✓ Checking by software
- ✓ Printing label
- ✓ Picture traceability

- ✓ Auto-loading
- ✓ Free location
- ✓ Management regardless of customer
- ✓ External shelves integrated

- ✓ Auto-unloading
- ✓ FIFO followed
- ✓ No human error

- ✓ Loading by cart
- ✓ Auto unload in feeder order

- ✓ X-ray counter
- ✓ MSL report
- ✓ Inventory with data

AUTO MATION

SPACE SAVING

NO HUMAN ERROR

SYSTEM INTEGRA TION

SKILL LESS

EASY INVENTORY