

I.C.T SMT Intelligent Storage System



Introduce:

I.C.T SMT Intelligent Storage System is an important part of the smart factory. It is a device that integrates cloud management, intelligent operation, and refined management. It performs efficient component loading/unloading and replenishment through direct processing and batch loading/unloading of reel components, reducing the cumbersome manual management. Greatly improved production efficiency.

Local service:

I.C.T joins hands with a European local manufacturer brand with more than 40 years of history in the electronics industry equipment production industry to provide customers with European manufacturing quality products while providing localized services and professional capabilities and complete systems in after-sales service and technical support, adhering to the concept of Globalization and Localization of business services. This allows customers to fully feel the advantages of using intelligent storage systems to improve production efficiency and management levels.

Features:

1. Made in Europe, the quality assurance system formed after years of development and improvement complies with the CE quality certification system;
2. Only the reels you need are unloaded. Direct handling brings a whole new level of efficiency to tasks;
3. Dedicated multifunctional unloading platform, even reels of different sizes can be unloaded;
4. Direct handling eliminates the need for dedicated storage boxes for reel assemblies and saves the space cost of dedicated storage boxes;
5. Batch Loading / Handling of up to 33 reels, compared to automatic storage that only loads 1 reel at a time, while loading or unloading components, this time can be effectively used for other tasks;
6. The Intelligent Storage System's built-in barcode reader automatically scans barcodes on all reels during batch loading. This prevents read errors caused by human error and eliminates the scanning process, making the receiving process more efficient;
7. Option humidity control module, you can choose to control the humidity inside the Intelligent Storage System 24 hours a day to avoid moisture damage to components;
8. Time limit management, managing time-limited components to avoid component defects caused by missing the use period;
9. Multiple uninstal modes, including first-in-first-out mode, prioritizing use based on production date, prioritizing uninstalling based on current use, etc;
10. "Industry 4.0": Compatible with customers' MES/ERP systems to achieve information sharing and processing;
11. In line with European design and usage concepts, we rely on our rich experience and unique advantages to continuously innovate technology to better adapt to localized operating environments and operating habits.

Top advantages:



Batch work tasks

Multiple reels of different sizes can be loaded or unloaded at the same time. During this period, the operator or the machine can be scheduled to complete other tasks, making the operation simpler and more efficient.



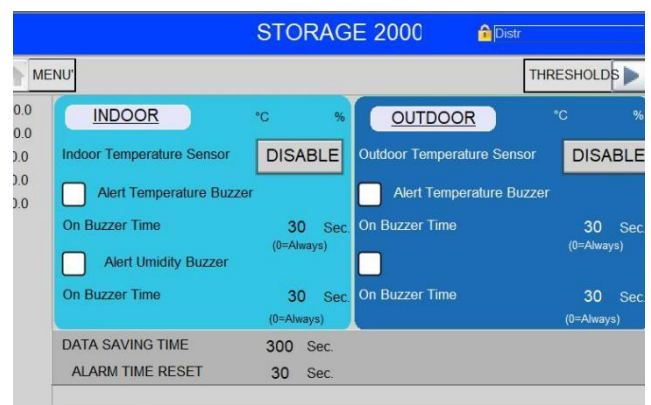
Dedicated platform

The uniquely designed platform and efficient movement can handle different components and reels of different sizes. The reel is directly clamped during handling to avoid the deflection and fall of the reel during handling.



Built-in code scanner

During the loading and unloading process, the Intelligent Storage System automatically reads the barcode on the scroll through the built-in code scanner and repeats the verification to avoid code reading errors caused by human errors. It eliminates the need for human operators to operate the scanning process and makes the work process more efficient.



Temperature and humidity control

The internal and external temperature and humidity monitoring sensors, it can display internal and external temperature and humidity in real time. Option humidity control module to confirm that components can be stored at the correct humidity to avoid damage.



CE quality system

Made in Europe, the quality assurance system formed after years of development and improvement is a door lock that complies with CE certification. The door will be locked during operation and cannot be opened. When it is opened, the machine cannot be operated, ensuring safety during maintenance.

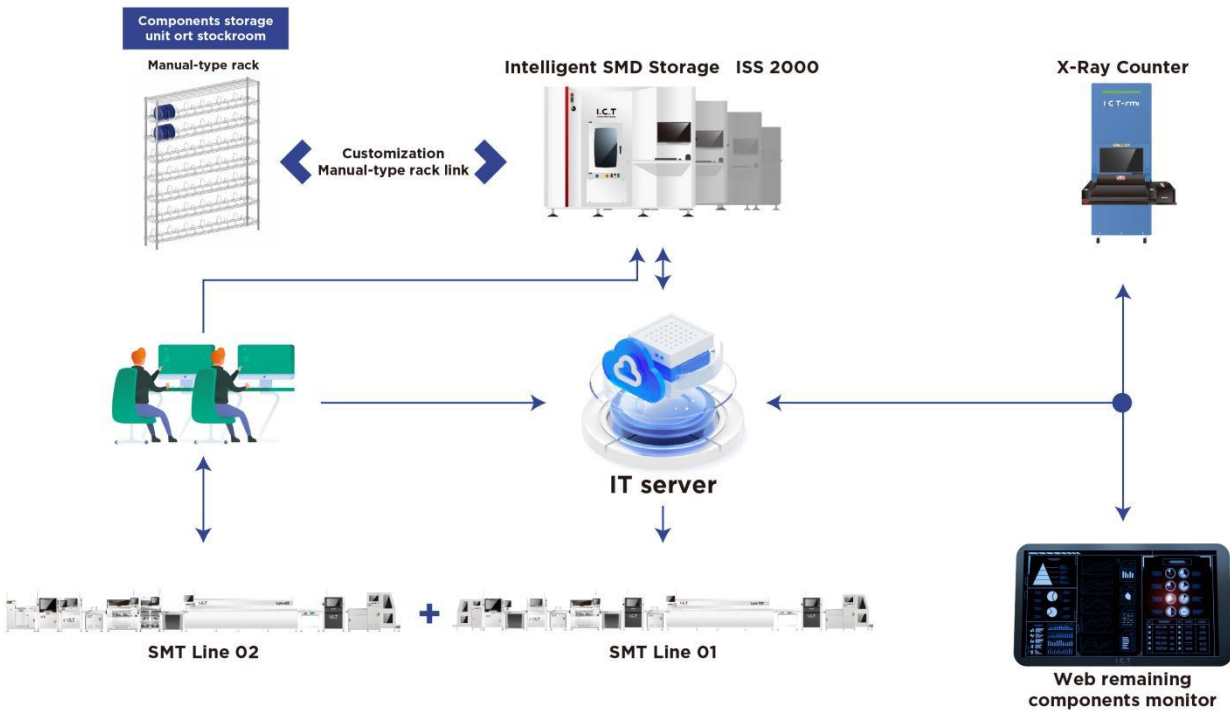


Industry 4.0

"Industry 4.0" is the current trend of manufacturing technology automation and data exchange. "Smart factory": In a modularly structured smart factory, cyber-physical systems monitor physical processes, create virtual copies of the physical world and make decentralized decisions. "Information sharing": By sharing information, the cloud processes production plans and controls materials.

Smart factory:

Excellent error-proofing system, intuitive management method, simple operation, intelligent fool-proofing.



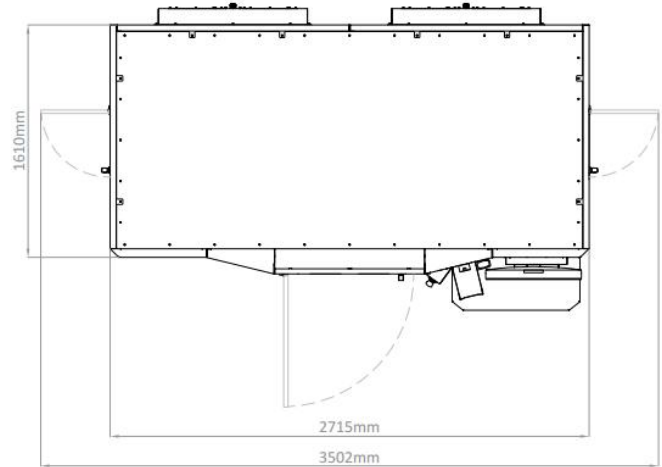
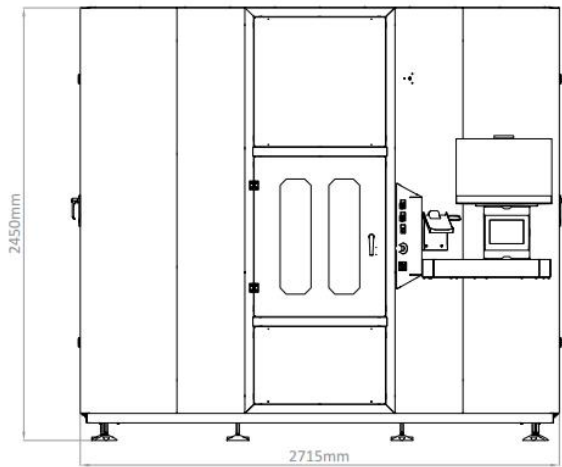
Specification:

Model	I.C.T ISS-2000			
Max reel size (Depending on Configuration)	Reel height	7" small	13" wide	15" Wide
	8mm	OK	OK	OK
	12mm	OK	OK	OK
	16mm	OK	OK	OK
	24mm	OK	OK	OK
	32mm	-	OK	OK
	44mm (Option)	-	OK	OK
Max reel weight	2.0 Kg			
Max reel loading/unloading at once cycle	35 (Small Configuration) / 25 (Standard & Mixed Configuration) / 8 (Wide)			
Max possible machines to connect	99 *External server PC is required for 4 or more machines connected.			
Average time for unloading	15" seconds			
Network	Ethernet LAN			
Display	LCD touch screen			
Operation system	Windows 10 pro			
Noise level	< 78 dB or less			
Warehouse temperature	10 °C to 43 °C			
Temperature and humidity	Accuracy 20 °C ± 5 °C Available 10 °C to 30 °C Humidity 20% to 80%			
Power capacity	1.5KW			
Power supply	Single phase 110/230V (± 5%), 50/60Hz			
Dimensions (Excluding tower signal)	Standard		2715*1620*2450mm	
	With extension		2715*1620*3200mm	
Weight	Standard		1200Kg	
	Extension		500Kg	

Customized mode:

Item	Storage			Expansion Module (Option)		
	7"Reel	13"-15" Reel	Total	7"Reel	13"-15" Reel	Total
Small Configuration	1600	/	1600	600	/	2200
Standard Configuration	1000	200	1200	600	/	1800
Mixed Configuration	750	310	1060	275	100	1435

Dimensions:



Customers:

No.	Name	Country
1	 a Thales / Leonardo company	France
2	 Schindler	Switzerland
3	 Computrol Inc.	USA
4		Spain
5	 Australian Government Department of Defence Science and Technology	Australia
6		New Zealand
7		United Kingdom
8		Australia

9		Russia
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* I.C.T keeps working on quality and performance, specifications and appearance may be updated without particular notice.

Thanks for choosing I.C.T.
I.C.T looks forward to win-win cooperation.
Thank you.