

ISM Ultra Flex 3600



Production
Empowerment



Time saving



Space saving



RH Control



MSD Traceability



ROI





Production Empowerment

*Increase P&P lines production
P&P set up preparation time saving*



Time saving

Operators time saving



Space saving

Space saving



Avoid human mistake



RH Control

MSD controlled environment (RH<5%)



MSD Traceability

Complete stock control



ROI

Money Saving (fast R.O.I.)

ISM UltraFlex 3600

The reel size mix that can be stored in the ISM3600 is an adjustable parameter.

NO PRE-CONFIGURATION REQUIRED

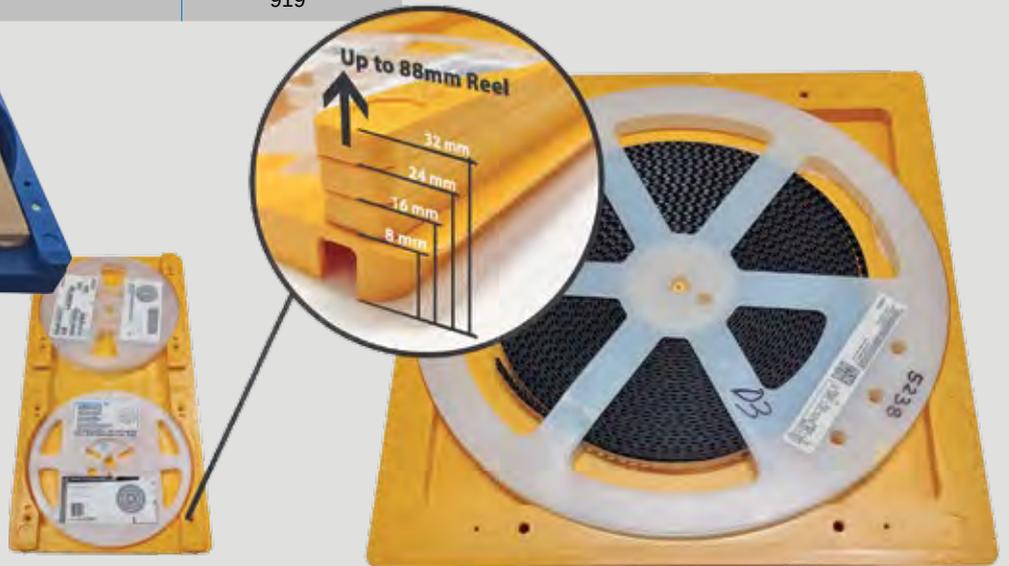
Owners of the UltraFlex will not have to compromise anymore on storage mix because of predefined configurations or expensive customizations, thus optimizing their storage capacity and investment.

The machine is able to dynamically adjust the internal subdivision of space to accommodate changing mixes of reel heights from 8 up to 88mm. The new ESD case designs allow storage of JEDEC trays on ANY case format (both 7 and 15 inches wide). With the humidity control module, it is possible to adjust and monitor humidity, to maintain an internal environment below 5% RH. This way it will be possible to store all sensitive components correctly and, thanks to the software interface, the Floor Life of each component can be monitored in terms of humidity.



**quantities will be confirmed after release date*

VERSION	7" H=up to 88mm	13/15" H=up to 88mm
ISM 3600 - 7"	3600*	
ISM 3600 7" + 15"	956*	445*
ISM 3600 15"		919*



TECHINCAL DATA	
Dimensions:	Width = 2,520 m / 8.27 ft Depth = 1,450 m / 4.76 ft
Min Height (For transport):	2,35 m / 7,7 ft
Operative Height:	2,40 m adjustable up until 2,60 m (7,9/8,5 ft)
Weight:	1000 Kg (empty) - 1500 Kg (Full cases)
Power consumption:	* average 0,2 KWh - max. 0,4 KWh * average 0,4 KWh - max. 2 KWh with 12 Humidity Control Units
Operating system:	Microsoft Win 7 / Win 8 / Win 10; Microsoft Win Server 2008 / 2012
Humidity control:	Up to 12 dehumifiers
Other accessories:	Touch Screen



Hardware Options for ISM3600

HARDWARE AND SOFTWARE	Included by default	HARDWARE OPTIONS	On request
ESD setup	✓	Humidity Control - 8 dehumifiers	✓
Precision Camera Reader 5MP	✓	Humidity Control - 12 dehumifiers	✓
1D/2D manual barcode scanner	✓	Fast recovery Unit	✓
Standard PC	✓	Precision Camera Reader 13MP	✓
Full Cases	✓	Extra ESD 7/15" cases	✓
Software CONSOLE	✓	Extra 7/15" cases	N.A
		(PDA)Mobile computer with 1D, 2D (datamatrix) scanner	✓
		1D manual barcode scanner	✓
		2D Wireless manual barcode scanner	✓
		Server PC	✓
		External backup Hard Disk	✓
		External Camera Station	✓
		Barcode Label Printer	✓

Hardware Options Details

Humidity Control Module

With the Humidity Control Module, it is possible to adjust and monitor humidity, to maintain an internal environment below 5% RH. This way it will be possible to store properly all sensitive components. Thanks to the software interface, the humidity floor life of each component can be monitored in terms of humidity. (RH<5%, Software unit to control MSL life of every component managed inside the ISM systems, 8 dehumidifiers, 4 sensors: internal/external RH and internal/external temperature, Display to show internal/external RH and temperature)

ESD Setup

Areas finished with anti static paint. ESD certified cases.

FRU - Fast Recovery Unit

The Fast Recovery Unit takes humidity down to optimal levels in a very short time even after longer periods with the doors open.

PDA Mobile computer with 1D, 2D (datamatrix) scanner

It is the mobile device used to control one or more ISM500 and will be the interface between operator and main software. (see PDA Software)

Server PC

It is the PC where to install the SERVER software. Separate SERVER PC shall be used to install SERVER software when customer has more than 10.000 unique ID inside his database. Specs: CPU Intel i7, 16GB RAM, 256GB SSD RAID HARD DISK.(monitor not included)

Standard PC

It is the PC where SERVER software and/or CONSOLE software can be installed when less than 10.000 unique ID are inside his database. Specs: CPU Intel i3, 4GB RAM, 60GB SSD HARD DISK.(monitor not included)

External Camera Station

This option allows to take pictures, from a camera station that can be placed over a table. All pictures will be saved inside the DB in order to be able to visualize the picture of the reel easily. (very useful for any complain with supplier).

Precision Camera Reader 5 or 13MP

This camera allows the automatic identification of cases height.

- allows the insertions of cases of different heights.
- reads 2D (datamatrix) barcodes and is able to give omnidirectional reading of the standard 1D barcodes (for this last possibility check specifications before). Through this camera the system will handle the Reels Pictures Traceability **Option**.



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°.

The quantity control, component traceability, automatic extraction depending on the job order, the automatic calculation of the components used and their inventories, etc., are just some of the features of this software especially designed for warehouse management of electronic components.

Life cycle reel management: incoming, tracing and updating

The software monitor the life cycle of each single reel / tube or other format, from incoming until it is exhausted, constantly updating its position at each loading or unloading and the quantity of components still present after each production.



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. Otherwise, the software processes the list of missing components for the purchasing department.

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.

Flexible set of logical tracking, analysis and extraction

The system is able to use both linear bar codes and 2D (Data Matrix) according to customer's specification.

For example it is possible to design tailed 1D and 2D labels, set the system to extract multiple reels of the same component to speed up pick & place production or prioritize the extractions using FIFO or based on the shelf-life of the reel.

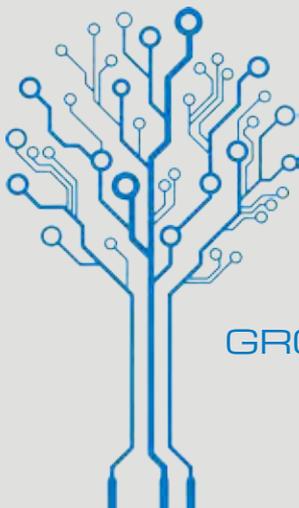


ISM-SOFTWARE

Humidity monitoring and SMD components management

If at least one of the purchased warehouse is equipped with Humidity Control Unit, the software will track for each reel the humidity levels to which it is exposed and for how long, indicating in the analysis the components in stock that have exceeded the level of exposure allowed.

In the case of mixed systems, sensitive components can be set to be stored only in machines with humidity control.



GROWING
SOFTWARE

Other Software Features

- SMT stock management
- THT stock management
- External storage management
- Mobile Software
- PDA Mobile Software
- **NEW:** Led Binning Management
- **NEW:** External storage management
- **NEW:** Reels Pictures Traceability
- Software unit for automatic extraction from Pick and Place
- API ERP/P&P software interfacing module
- Feeder management
- F.I.F.O logic



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