

SREX700 - SREX130 - SREX140 - SREX150

Smart Stationary Storage



Features

- Up to 880 seven-inch reels or 480 thirteen-inch reels of stationary storage
- Lights up to identify the parts required for the kit
- Small footprint
- Intelligent sensors detect where reels are placed
- Daisy-chain multiple units together for increased capacity
- Retrieve reels in less than 4 seconds
- Return reels in less than 8 seconds
- Reduces kitting time from hours to seconds
- Accessible from both sides
- ROI in 3 - 6 months, typically
- Flexible and easy to use
- Easily links to any MRP software
- Wi-Fi & Internet ready
- Available in 7, 10, 13, and 15 inch reels, widths of 8, 12, 16, 24, 32, 44, and 56mm
- ESD compliant



Photo by Frank Hübler

SREX700 - SREX130 - SREX140 - SREX150

Capacity

Unit	Model Number	DESCRIPTION	Reel Count 8mm	Reel Count 12mm	Reel Count 16mm	Reel Count 24mm	Reel Count 32mm	Reel Count 44mm	Reel Count 56mm
	SREX700	7" reels on 11 trays	880	660	550	396	308	220	176
	SREX130	13" reels on 6 or 12 trays	240/480	180/360	150/300	108/216	84/168	60/120	32/64
	SREX150	15" reels on 5 or 10 trays	200/400	150/300	125/250	90/180	70/140	50/100	40/80
	SREX140	Individual smart trays for bagged parts, JEDEC trays and PCB's 21 inch trays provide one to twelve bin locations per tray in 1.75 inch increments. Variants include: SREX140-9 and SREX140-18 for 7" spacing, SREX140-6 and SREX140-12 for 13" spacing SREX140-5 and SREX140-10 for 15" spacing.							

SIZE Max 24" Width x 30" Depth x 89" Height
WEIGHT Less than 200 lbs.
STATIONARY Mounted to the Floor
POWER REQ. 110V-230V, 50/60 Hz, less than 150 VA
AIR SUPPLY None required
OS Microsoft Win 10 Pro included
SOFTWARE

- Includes single package, single location control and visibility
- Add, remove, browse, replenish, & transfer parts
- Pick list upload
- Reports

ESD Compliant
MONITOR 12" Touchscreen
BAR CODE
SCANNER

- Wireless or wired 2D scanner
- Indicator Beacon
- Bin location labels
- Software Customization (ERP interface, SMT machine links, and more)

OPTIONS

INOCART-SR Series

Smart Component Storage Management System

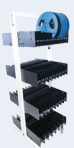
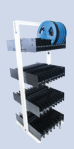


Features

- Stores 560 seven-inch reels or 320 thirteen or fifteen-inch reels
- Lights up to identify the parts required for the kit
- Small footprint
- Intelligent sensors detect where reels are placed
- Daisy-chain multiple units together for increased capacity
- Retrieve reels in less than 4 seconds
- Return reels in less than 8 seconds
- Reduces kitting time from hours to seconds
- Mobile, on wheels
- Accessible from both sides
- Available battery option
- ROI in 3 - 6 months, typically
- Flexible and easy to use
- Easily links to any MRP software
- Wi-Fi & Internet ready
- Available in 7, 10, 13, and 15 inch reels, widths of 8, 12, 16 and 24, 32, 44, and 56mm
- ESD compliant



INOCART-SR700/SR130/SR150/SR200

Unit	Model Number	DESCRIPTION	Reel Count 8mm	Reel Count 12mm	Reel Count 16mm	Reel Count 24mm	Reel Count 32mm	Reel Count 44mm	Reel Count 56mm
	SR700	7" reels on 7 trays	560	420	350	252	168	140	112
	SR130 or SR130-8 (Dual Sided)	13" reels on 4 or 8 trays	160 or 320	120 or 240	100 or 200	72 or 144	48 or 96	40 or 80	32 or 64
	SR150 or SR150-8 (Dual Sided)	15" reels on 4 or 8 trays	160 or 320	120 or 240	100 or 200	72 or 144	48 or 96	40 or 80	32 or 64
	SR200 SR200-7	Mixed reels 3 trays of 7" & 2 to 4 trays of 13" or 15" reels	7" 240	7" 180	7" 150	7" 108	7" 84	7" 60	7" 48
			13" or 15" 80 or 160	13" or 15" 60 or 120	13" or 15" 50 or 100	13" or 15" 36 or 72	13" or 15" 28 or 56	13" or 15" 20 or 40	13" or 15" 16 or 32

SIZE 23.5" Width x 18"-30" Depth x 65" Height
WEIGHT Less than 100 lbs.
MOBILE With ESD Casters
POWER REQ. 110V-230V, 50/60 Hz, less than 150 VA
AIR SUPPLY None required
OS Microsoft Win 10 Pro included
SOFTWARE - Includes single package, single location control and visibility
 - Add, remove, browse, replenish, & transfer parts
 - Pick list upload
 - Reports
ESD Compliant

MONITOR 12" Touchscreen
BAR CODE
SCANNER
OPTIONS

- Wireless or wired 2D scanner
- Indicator Beacon
- Available Battery Option
- Bin location labels
- Software Customization (ERP interface, SMT machine links, and more)

INOCART-IA Series

Smart Component Storage Management System



Features

- Stores 560/1120 seven-inch reels or 160/320 thirteen-inch reels (Half cart or Full cart)
- Lights up to identify the parts required for the kit
- Small footprint
- Intelligent sensors detect where reels are placed
- Daisy-chain multiple units together for increased capacity
- Retrieve reels in less than 4 seconds
- Return reels in less than 8 seconds
- Reduces kitting time from hours to seconds
- Mobile, on wheels
- Accessible from both sides
- Available battery option
- ROI in 3 - 6 months, typically
- Flexible and easy to use
- Easily links to any MRP software
- Wi-Fi & Internet ready
- Available in 7, 10, 13, and 15 inch reels, widths of 8, 12, 16, 24, 32, 44, and 56mm
- ESD compliant



INOCART-IA Series

Unit	Model Number	DESCRIPTION	Reel Count 8mm	Reel Count 12mm	Reel Count 16mm	Reel Count 24mm	Reel Count 32mm	Reel Count 44mm	Reel Count 56mm
	IA700	7" reels size 7 or 14 trays (Half or Full size cart)	560 or	420 or	350 or	252 or	168 or	140 or	112 or
	IA7000		1120	840	700	504	336	280	224
	IA130	13" reels size 4 or 8 trays (Half or Full size cart)	160 or	120 or	100 or	72 or	56 or	40 or	32 or
	IA1300		320	240	200	144	112	80	64
	IA150	15" reels size 3 or 6 trays (Half or Full size cart)	120 or	90 or	75 or	54 or	42 or	30 or	24 or
	IA1500		240	180	150	108	84	60	48
	IA200	Mixed reels 3 - 6 trays of 7" & 2 - 4 trays of 13" or 15" reels (Half or Full size cart)	7"	7"	7"	7"	7"	7"	7"
	IA2000		240 or 480	180 or 360	150 or 300	108 or 216	84 or 168	60 or 120	48 or 96
			13" or 15" 80 or 160	13" or 15" 60 or 120	13" or 15" 50 or 100	13" or 15" 36 or 72	13" or 15" 28 or 56	13" or 15" 20 or 40	13" or 15" 16 or 32

SIZE

Half Cart 23.5" W x 15" D x 65" H

Full Cart 45" W x 15" D x 65" H

WEIGHT

Less than 200 lbs.

MOBILE

With ESD Casters

POWER REQ.

110V-230V, 50/60 Hz, less than 150 VA

AIR SUPPLY

None required

OS

Microsoft Win 10 included

SOFTWARE

- Includes single package, single location control and visibility
- Add, remove, browse, replenish, & transfer parts
- Pick list upload
- Reports
- Compliant

ESD

MONITOR

12" Touchscreen

BAR CODE

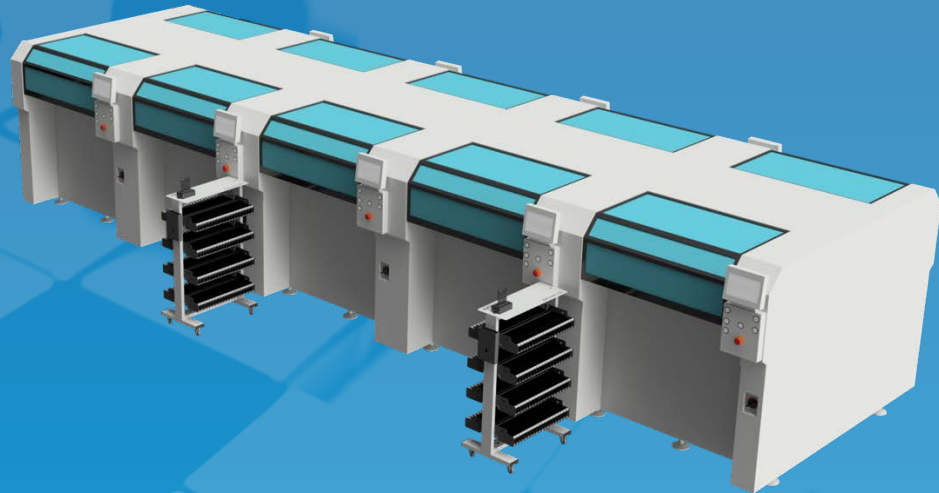
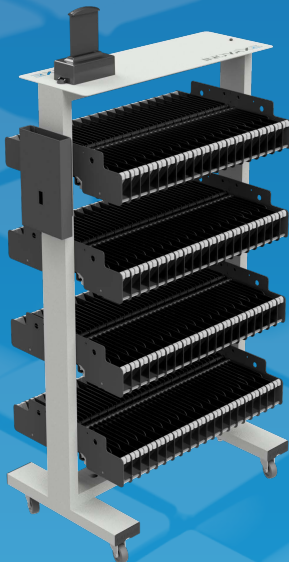
SCANNER

OPTIONS

- Wireless or wired 2D scanner
- Indicator Beacon
- Optional Electronic Lock
- Available Battery Option
- Bin location labels
- Software Customization (ERP interface, SMT machine links, and more)

LS700 - LS150-2

Smart Lineside Storage



Features

- Compact, mobile smart rack fits right next to pick and place machines
- Stores up to 320 seven-inch, or 160 fifteen-inch reels
- Lights up to identify the parts required for feeder setup and replenishment
- Small footprint
- Intelligent sensors detect where reels are placed
- Daisy-chain multiple units together for increased capacity
- Integrates with pick-and-place to automatically light required reels
- Retrieve reels in less than 4 seconds
- Store parts at line to reduce or eliminate kitting
- Intelligent Kanban replenishment with InoAuto's Min/Max features
- Accessible from both sides
- ROI in 3 - 6 months, typically
- Flexible and easy to use
- Easily links with any SMT software
- Operates standalone or as part of a larger installation
- Stores reels of any size
- ESD compliant

LS Series Smart Racks

Low Line Replenishment

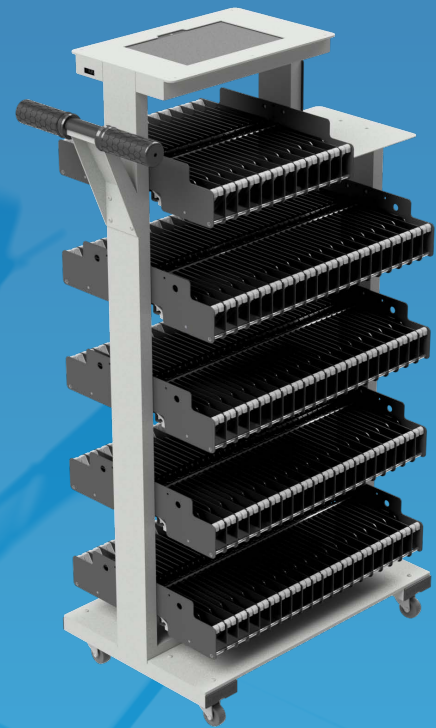
- Station is located close to running Line.
- Station has small footprint so it can be put right up against machine.
- Capacity stored on the station at the line supports multiple days of operation.
- UI/Software can be split to replenish multiple machines at once.
- Stations monitor the feeder status to Identify Low line feeders.
- Stations prompt for reels with a Low Line condition in the order they are needed.
- Prompted reels are pulled by line personnel to satisfy need.

Manual Replenishment

- Stations can supply reels (on demand) to machines when required.
- Users can if desired browse reels to replenish if needed.

Supermarket Integration

- Unavailable replenishment parts can be forwarded to supermarket stations.
- They can be routed by part number if needed.
- Supermarkets often contain larger or common reels.
- Line replenishment stations can display respective supermarket requests.



Mobile Provisioning Station

- Mobile stations are filled with reels for line replenishment stations.
- Mobile stations follow logical routes between line replenishment stations.
- Mobile stations query each line replenishment station in turn, requesting requirements based on MIN/MAX levels of station.
- Reels are prompted for transfer to the line replenishment stations.
- No scanning is required between the Mobile and Line stations.

IMSD2000

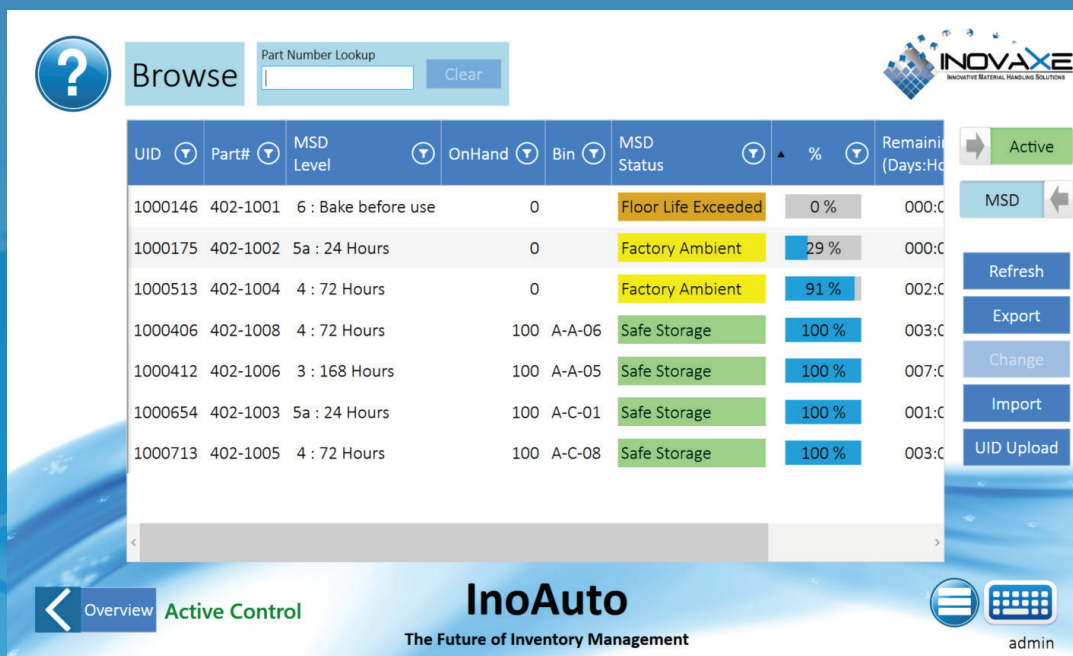
InoAuto Smart Storage Technology in MP Elektronik Dry Cabinets

Features

- Store a variety of parts with standard InoAuto Smart Storage locations, up to 640 SMT reels
- MP Dry Cabinet technology maintains low humidity (<5% RH) for safe storage of MSL Components
- Monitor humidity levels in real-time
- Automatically track the floor life of components with InoAuto MSD Tracking software
- Fastest access to parts
 - Retrieve parts in under 4 seconds
 - Return parts in under 8 seconds
 - Manage MSL 2, 2a, 3, 4, 5, and 5a
- Custom capabilities with MP Dry Cabinets, including temperature control



IMSD2000



INOVAXE
INNOVATIVE MATERIAL HANDLING SOLUTIONS

Browse

UID	Part#	MSD Level	OnHand	Bin	MSD Status	%	Remaining (Days:Hours)
1000146	402-1001	6 : Bake before use	0		Floor Life Exceeded	0 %	000:00
1000175	402-1002	5a : 24 Hours	0		Factory Ambient	29 %	000:00
1000513	402-1004	4 : 72 Hours	0		Factory Ambient	91 %	002:00
1000406	402-1008	4 : 72 Hours	100	A-A-06	Safe Storage	100 %	003:00
1000412	402-1006	3 : 168 Hours	100	A-A-05	Safe Storage	100 %	007:00
1000654	402-1003	5a : 24 Hours	100	A-C-01	Safe Storage	100 %	001:00
1000713	402-1005	4 : 72 Hours	100	A-C-08	Safe Storage	100 %	003:00

InoAuto
The Future of Inventory Management

admin

SIZE 29" W x 35" L x 85" H
WEIGHT Approx. 800lbs
POWER 110V, 60 Hz
AIR SUPPLY None required
OS Microsoft Win 10 Pro
MONITOR 12" Touchscreen
BARCODE SCANNER Wireless or Wired
ESD COMPLIANT

Status Flag

MSD status flags show parts in Factory Ambient, Safe Storage, Drying, Baking, or Exceeded Allowed Floor Life conditions. The tracking software monitors the regeneration (drying) of component Floor Life when moved from "factory ambient" condition to "safe storage".

Floor Life Alarm

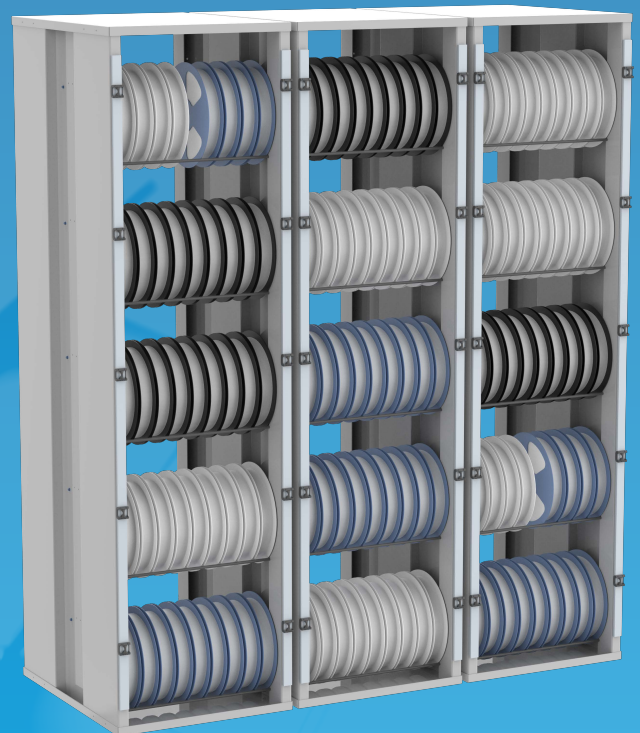
On-screen alarm indicates when a user defined percent-age of Floor Life is reached.

SREX-IB

Smart Storage for ultra-high-volume parts

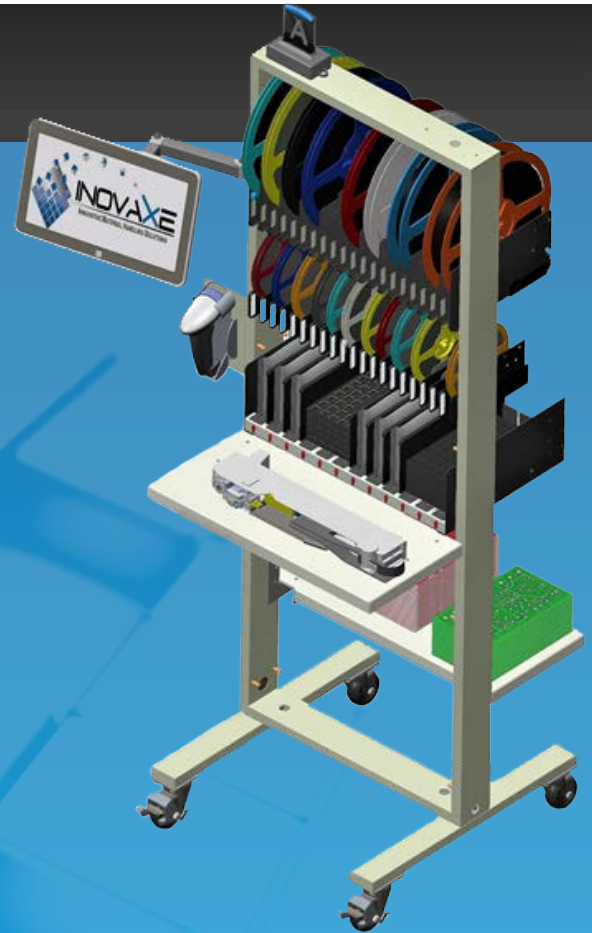
Features

- High-density, stationary storage
- Store up to 1,056 seven-inch reels, 576 thirteen-inch reels, or 480 fifteen-inch reels
- Store any kind of package, not just SMT reels
- Consolidate identical parts in the same row for simple efficiency.
- Lights up a row for picking
- Add and remove with the push of a button
- Retrieve reels in under 2 seconds
- Return reels in under 4 seconds
- Reduce kitting time from hours to seconds
- Flexible use cases, easy to use
- Compatible with existing InoAuto software and Smart Racks.
- Works with existing InoAuto integrations
- ERP / MRP / MES
- Pick-and-place
- MODI Incoming Goods
- X-Ray counters
- And more
- ESD Compliant



SR100E

Auto-Replenishment Smart Storage



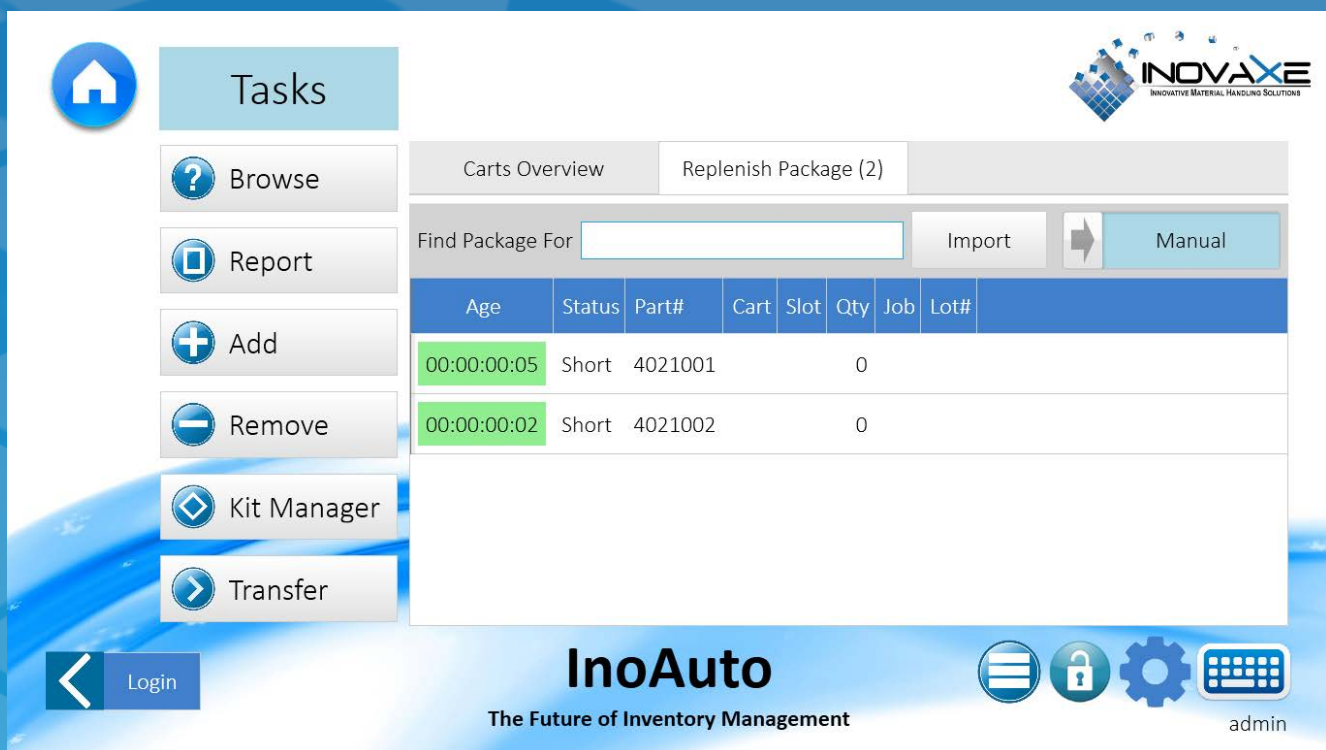
Benefits

- Improves feeder loading speed and accuracy
- Lowers storage footprint
- Scan empty reel to immediately light up and locate replacement
- Connects to SMT machines, MES/ERP, and other Inovaxe platforms via Wi-Fi
- Better WIP visibility
- Component traceability

Capacity

- 18 smart locations for 7" 8mm equivalents
- 11 smart locations for 7" 16mm equivalents
- 8 smart locations for 13" 8mm equivalents
- 5 smart locations for 13" 56mm equivalents
- 4 smart locations for 5.5" x 12" trays
- 23" x 13" working surface for splicing/loading
- 23" x 13" miscellaneous storage space

SR100E - Auto-Replenishment Smart Storage



Tasks

- Browse
- Report
- Add
- Remove
- Kit Manager
- Transfer

Carts Overview **Replenish Package (2)**

Find Package For **Import** **Manual**

Age	Status	Part#	Cart	Slot	Qty	Job	Lot#
00:00:00:05	Short	4021001			0		
00:00:00:02	Short	4021002			0		

InoAuto
The Future of Inventory Management

admin

SIZE 27"L x 23.5"W x 65.5" H
WEIGHT Less than 200 lbs
MOBILE With ESD Casters
POWER REQ. 110V-230V, 50/60 Hz less than 150VA
AIR SUPPLY None required
OS Microsoft Win 10 Pro included
SOFTWARE InoAuto Locator Software Features Include:
 - Single package, single location control and visibility
 - Add, remove, browse, replenish, & transfer parts
 - Pick list upload
 - Reports

ESD Compliant
MONITOR 12" Touchscreen
BARCODE SCANNER Wireless or Wired
OPTIONS
 - Upgradeable to InoView Software
 - Software Customization (ERP interface, SMT machine links, and more)

SMART STENCIL RACKS SRS-29-60 & SRS-29-24

Smart Stencil Storage System

Features

- Stores 24 standard stencils or 60 space-saver stencils
- Available for custom sized stencils
- Lights up to identify the stencils required for the job
- Small footprint
- Intelligent sensors detect where stencils are placed
- Daisy-chain multiple units together for increased capacity
- Retrieve stencils in less than 4 seconds
- Return stencils in less than 8 seconds
- Available battery option
- ROI in 3 - 6 months, typically
- Flexible and easy to use
- Wi-Fi & Internet ready
- ESD compliant
- Mobile



SMART STENCIL RACKS SRS-29-60 & SRS-29-24

Model Number	Description	Stencil Count
SRS-29-60	- Smart stencil cart for 60 space saver stencils - Available with or without side covers	60
SRS-29-24	- Smart stencil cart for 24 standard width stencils - Available with or without side covers	24

SIZE 23.5" Width x 30" Depth x 68" Height
WEIGHT Less than 100 lbs.
MOBILE With ESD Casters
POWER REQ. 110V-230V, 50/60 Hz
AIR SUPPLY None required
OS Microsoft Win 10 included
SOFTWARE InoAuto Locator Software
ESD Compliant

MONITOR 12" Touchscreen
BARCODE
SCANNER - Wired or wireless 2D scanner
OPTIONS

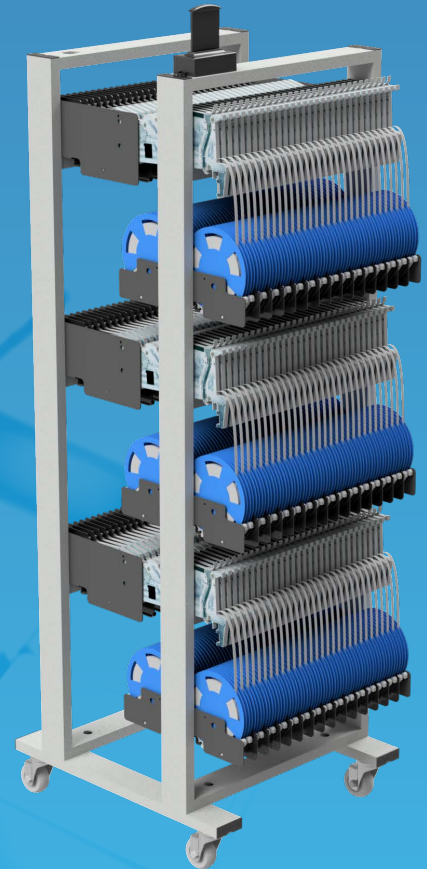
- Indicator Beacon
- Slot location labels
- Software Customization: ERP interface, SMT machine links, and more

Smart Feeder Rack

Intelligent Solutions for Feeder Storage

Features

- High-density, flexible, easy-to-use mobile storage.
- Store up to 240 seven-inch reels and 120 feeders.
- Efficient Storage - Store preloaded feeders, or put away parts without the need to unload.
- Keep feeders stored directly on your lines, or utilize its mobility to easily move and store feeders and parts in other areas.
- Lights up a location for picking
- Stores extra reels for quick replenishment.
- Retrieve reels in under 2 seconds
- Return reels in under 4 seconds
- Reduce kitting time from hours to seconds
- Compatible with existing InoAuto software and Smart Racks.
- Works with existing InoAuto integrations
- ERP / MRP / MES
- Pick-and-place
- MODI Incoming Goods
- X-Ray counters
- And more
- ESD Compliant



Smart InoBar

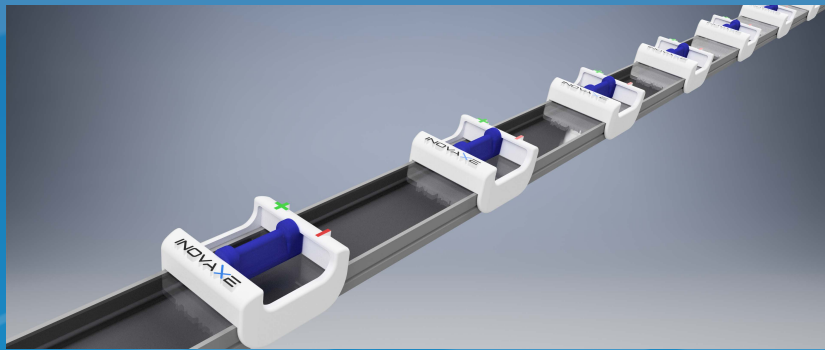


Turn any shelf into smart storage!

Features

- Simple switch to add, and remove material
- Multi-color LEDs to light up locations
- Retrofit to existing shelves with standard or custom attachments: metro racks, pallet racks, tables, etc.
- Can also be utilized on Inovaxe smart racks.
- Compatible with all other InoAuto smart storage systems

Smart InoBar



Model Number	Length (inches)	Width (inches)	Thickness (inches)	Locations Provided
IB20	20	1.5	0.8	8
IB40	40	1.5	0.8	16
IB60	60	1.5	0.8	24

- Perfect for large or irregular shaped items
 - Boxes
 - Pcb's
 - Trays
 - Large reels
 - Finished goods
 - Pallets
 - Fixtures
 - etc.
- Cost effective, easy-to-use, flexible, and expandable
- Place smart locations at any 2.5 inch interval as needed
- Add and remove smart locations to change configuration at any time
- Extend multiple InoBars to any length of shelving
- System only requires one controller

InoAuto Mobile Device and Application



Features

- Rugged Android device with NEW InoAuto Mobile app
- Integrated 1D or 2D scanner
- Compatible with all standard InoAuto Smart Storage Solutions
- Operates with all existing InoAuto integrations (like MES, Pick-and-Place, etc.)
- Expands potential use cases by reducing reliance on fixed controller units
- Allows for fast-paced, flexible operations throughout the factory
- Mobile App Capabilities
 - Add parts
 - Browse inventory
 - Pick jobs
 - Feeder setup and replenishment
- Available attachments
 - Holsters
 - Pistol grip
 - Long-range scanner
 - Extended battery
 - Cradle-chargers
- Wi-Fi connectivity



InoAuto and Industry 4.0 Integration

InoAuto has the capability to interface with other software packages like MES, ERP, MRP, or SMT Machines to bring Industry 4.0 to your material handling operation. With our API, InoAuto can export information like inventory and traceability reports to customer systems to automate critical functions. Customers can use our API to import data like work orders, pick lists, and part number information. InoAuto can even send notifications of every reel that is inserted or removed from our intelligent storage solutions.

InoAuto can send and receive data through two main interfaces. First, we can expose a RESTful web service for sending data directly over the

network. We can also send and receive information by exporting and importing files to a shared directory. To send and receive files we use .XML, .XLS, or .CSV formats.

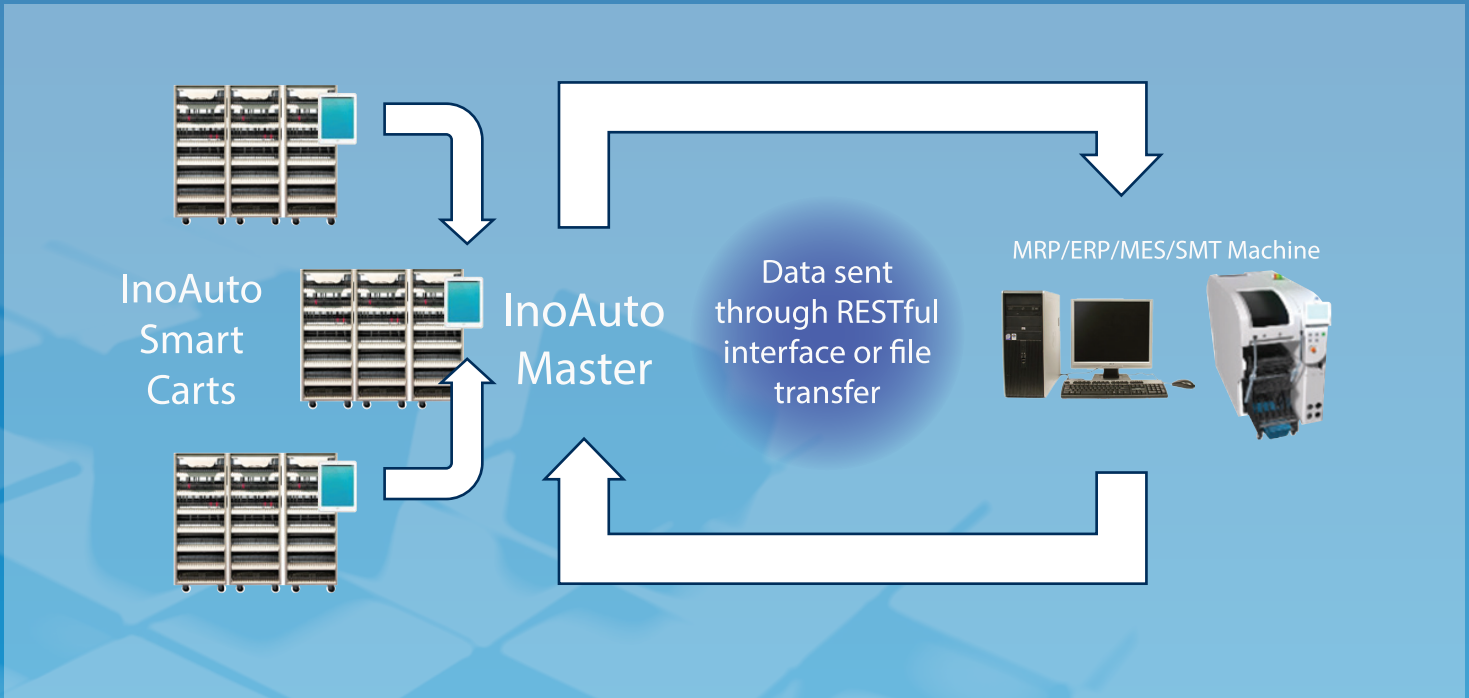
The InoAuto architecture uses one master database that controls all InoAuto machines in a facility. Customer software needs to communicate only with this master, who will send the data to all other carts. All InoAuto Smart Carts should be on the same Wi-Fi (or wired) network as the MES/ERP/MRP/SMT machines.

Examples of Data Imported into InoAuto:

- Part Information
 - Descriptions
 - Scrap factors
 - Min/Max values
- Work order information
 - Pick Lists
 - Feeder Locations

Examples of Data Exported from InoAuto:

- Consumption reports
- Min/Max reports
- Real-time inventory reports
- Transaction reports
- Traceability reports

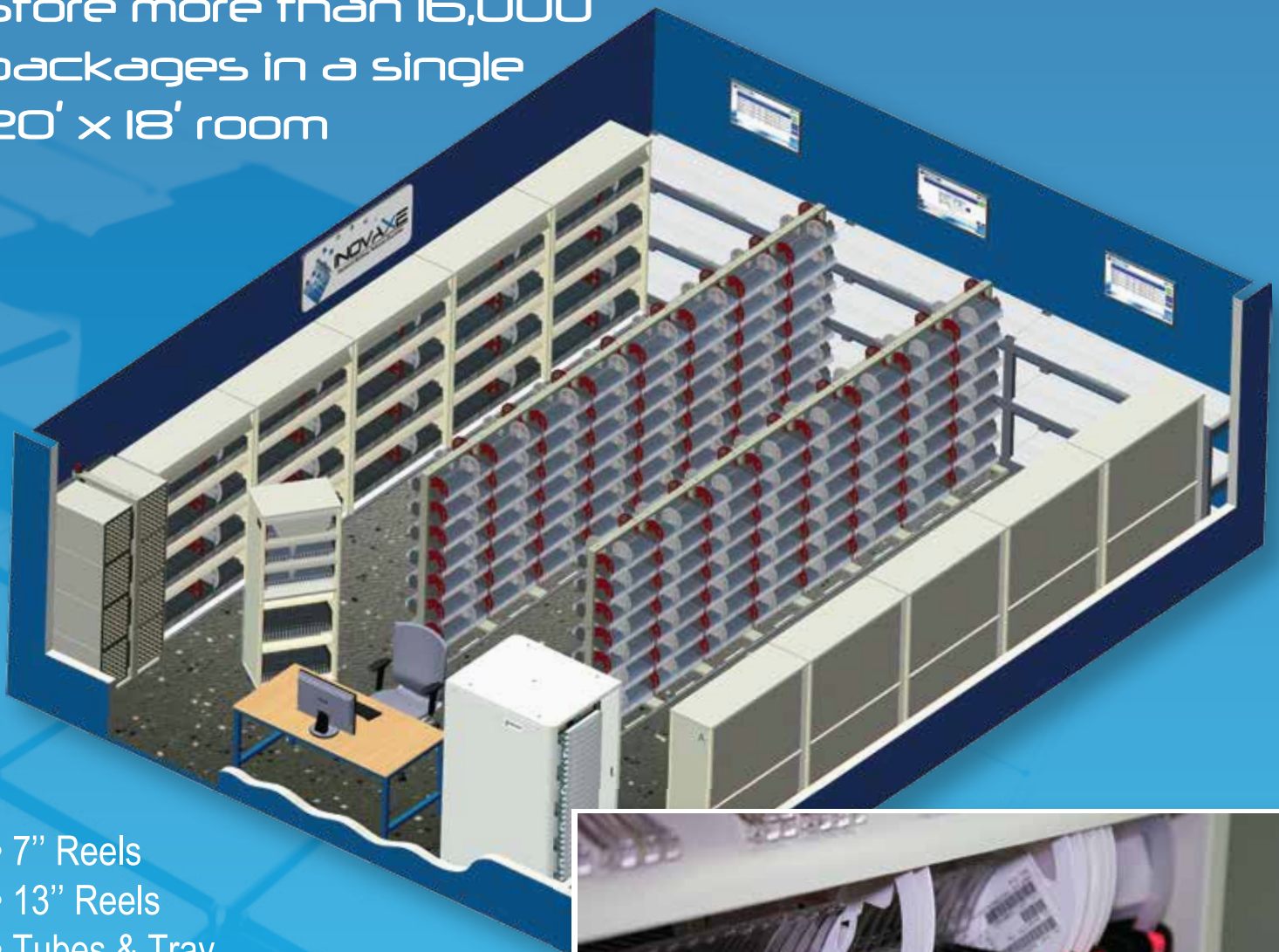


	A	B	C	D	E	F
1	Action		Stock Change Date/Time Recorded		Change User	Kit No.
2	Return	2394	06/29/2017 15:37:14		Administrator	WO
3	Return	4886	06/29/2017 15:37:09		Administrator	WO
4	Return	892	06/29/2017 15:37:05		Administrator	WO
5	Return	1796	06/29/2017 15:36:55		Administrator	WO
6	Return	1796	06/29/2017 15:36:49		Administrator	WO
7	Return	5000	06/29/2017 15:36:00		Administrator	WO



InoAuto Smart Stockroom

Store more than 16,000
packages in a single
20' x 18' room



- 7" Reels
- 13" Reels
- Tubes & Tray
- PCBs & Bulk
- MSD
- All Smart Locations





InoAuto Smart Stockroom

Capacity: Over 16,000 Locations

- 7" reels: up to 11,570 locations
- 13" reels: up to 4,000 locations
- 480 hives for sticks/tubes
- 168 smart locations for trays, PCBs, bulk items
- 48 isolated MSD hives

Key Features and Benefits

- Saves over 90% of space
- Reduces labor costs over 90%
- Reduces kitting errors
- Improves inventory accuracy
- Multiple people can simultaneously pick kits
- Easy to expand or configure for various storage types
- 27" displays in every aisle
- Light bars indicate part locations within stockroom