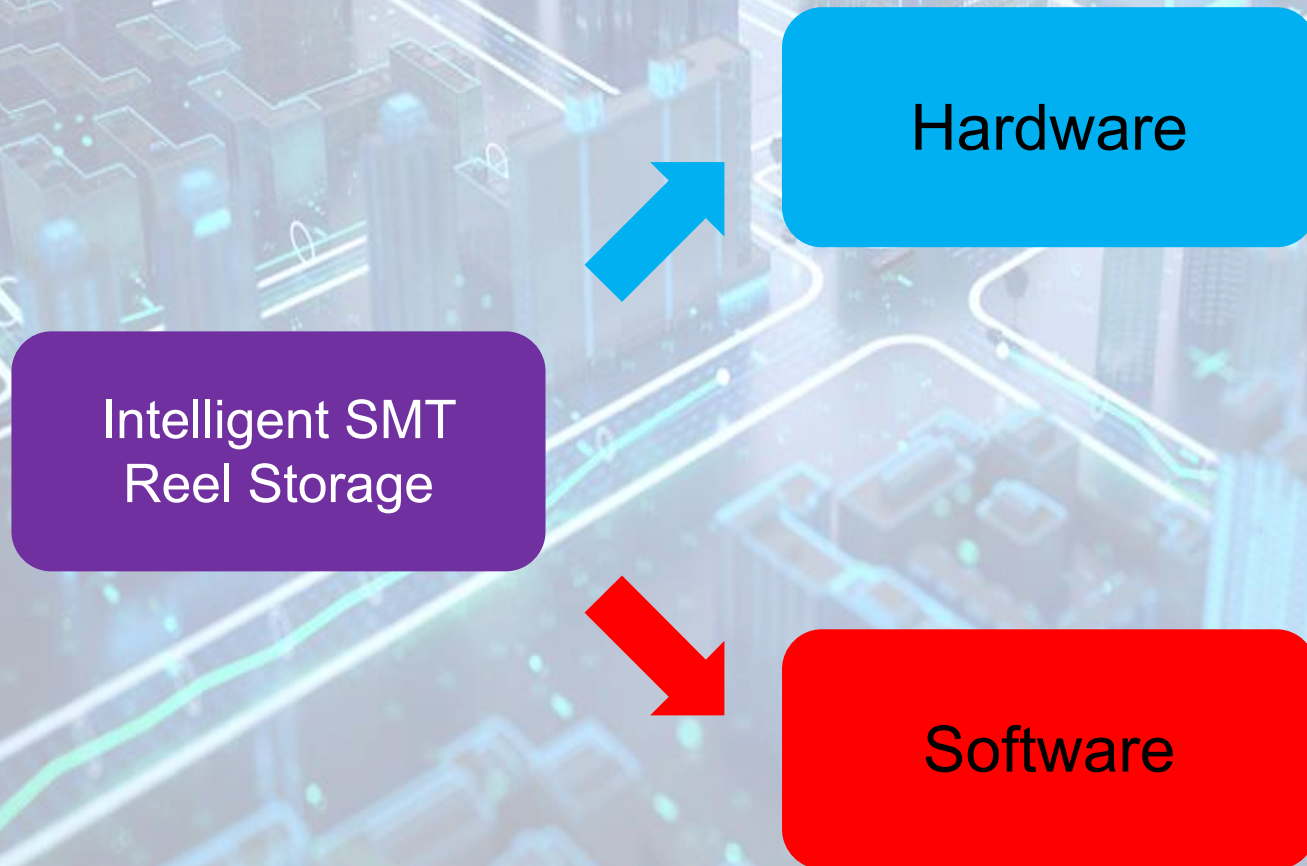


Introduce of Intelligent SMT Reel Storage

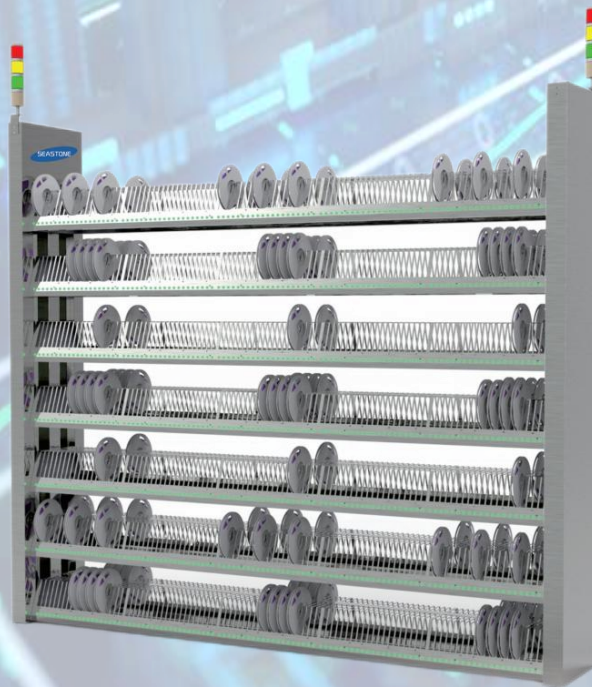
Introducer: Jack Chan



Hardware

SIS7000A

- Suitable for 7inch reels, double-sided
- Slot width: 16mm
- Size: 2280mm*400mm*1950mm
- Storage: $7*100*2=1400$ SLOT

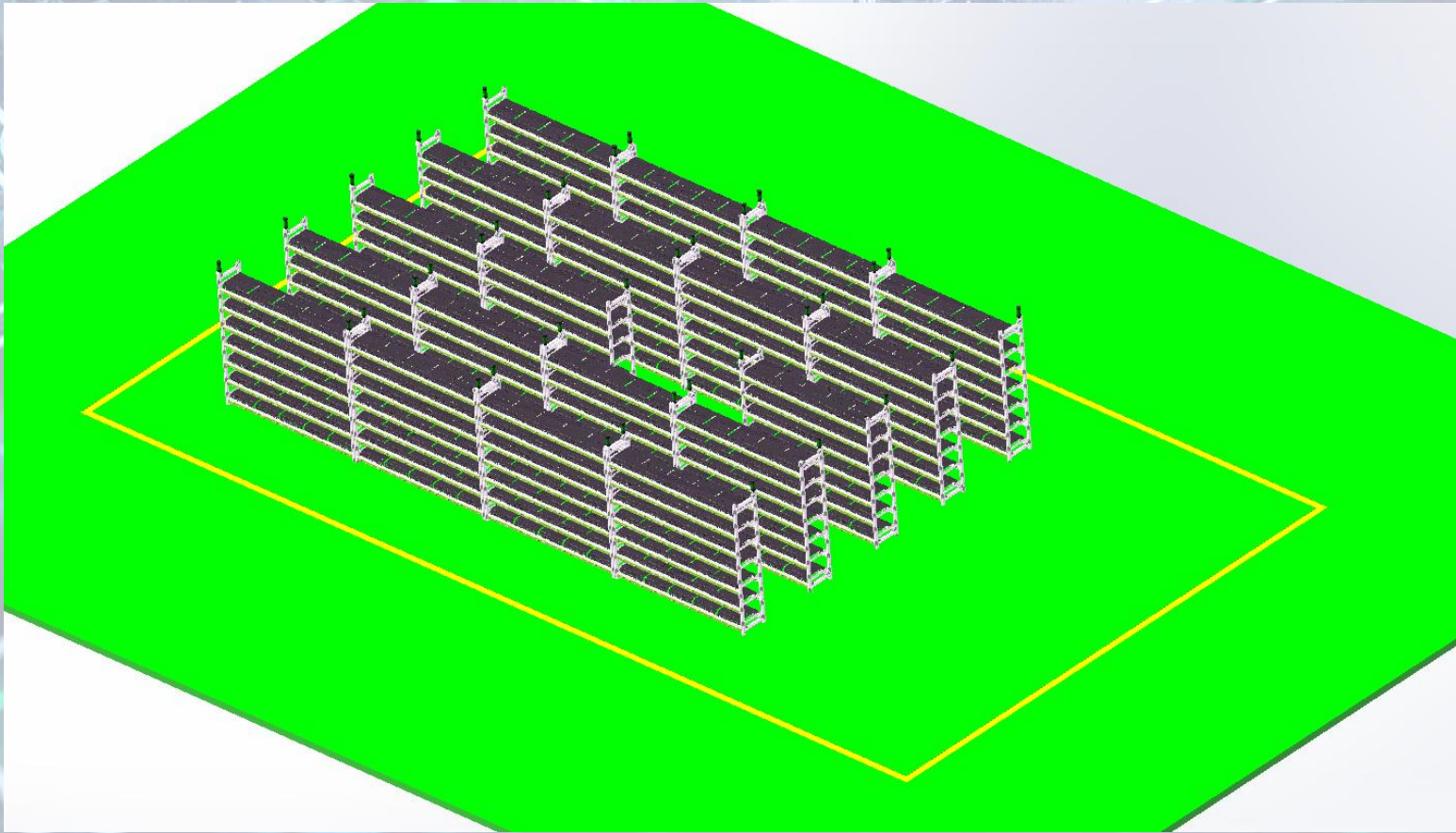


SIS4000A

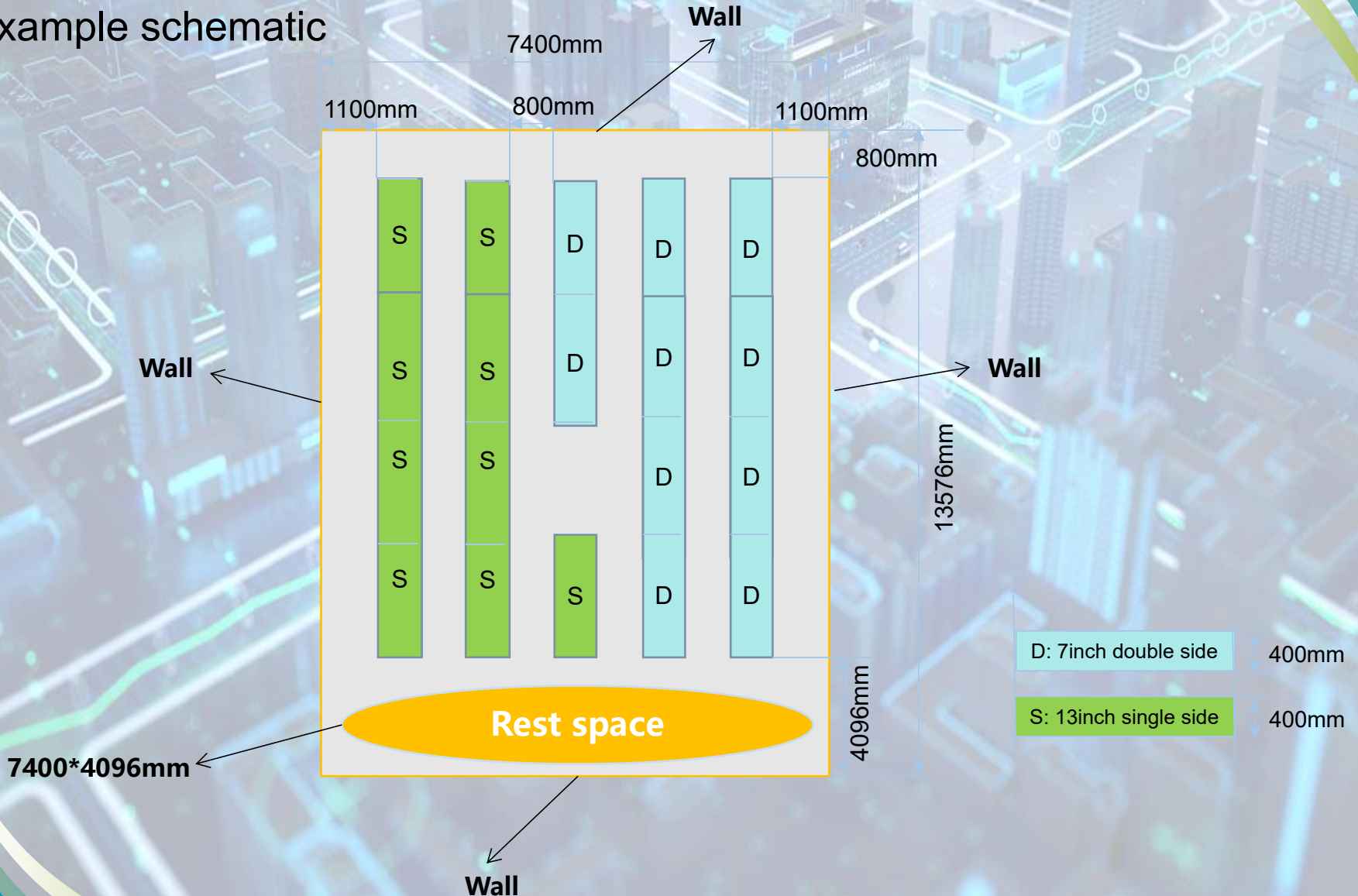
- Suitable for 7inch(double-sided) &13inch reels(single-sided)
- Slot width: 16mm&37mm
- Size: 1500mm*400mm*1510mm
- Storage: $3*2*60=360$ SLOT(7inch)
 $1*30=30$ SLOT(13inch)



Example



Example schematic



Software



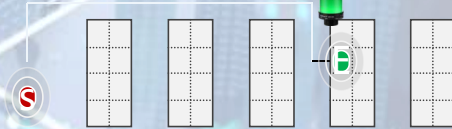
(1) . PDA starts material preparation task



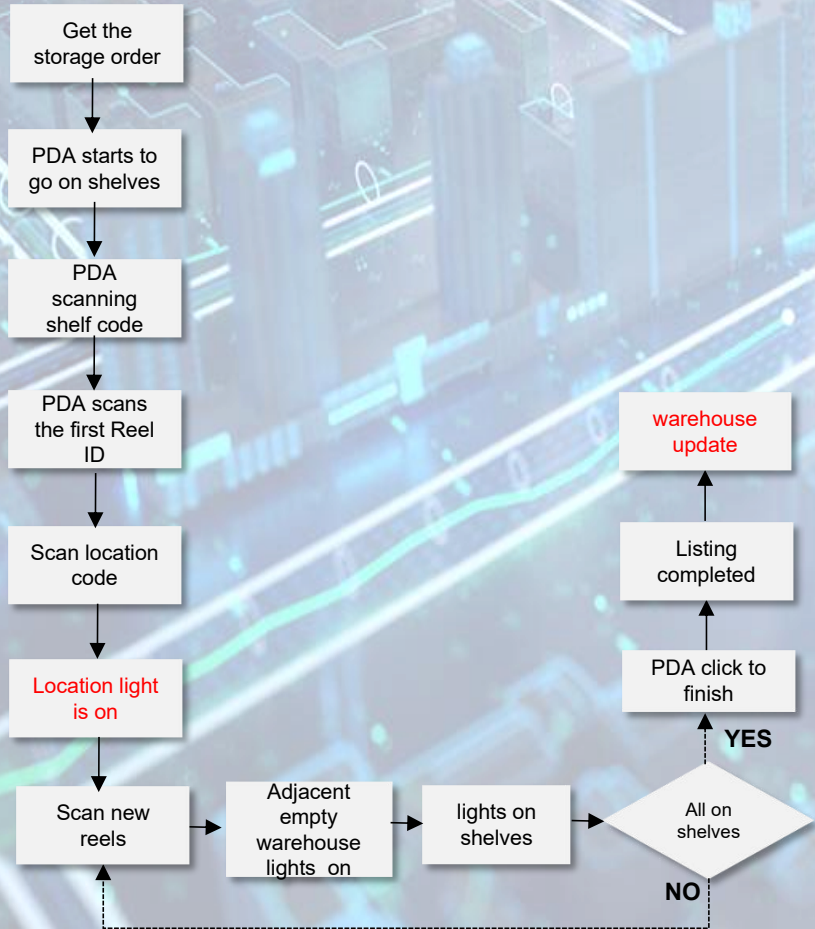
(2) . Enter the reel rack lit by the tower light



(3) . Take out the SMT components from the warehouse location



Reels preparation flow chart



Reels preparation schematic diagram

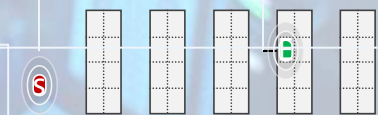
1. Scan the barcode of the shelf



2. Scan the first Reel ID



3. Scan the barcode of the warehouse location (the scanning of the warehouse location code can be canceled, the specific process is to be determined)



4. Light up and put on shelves

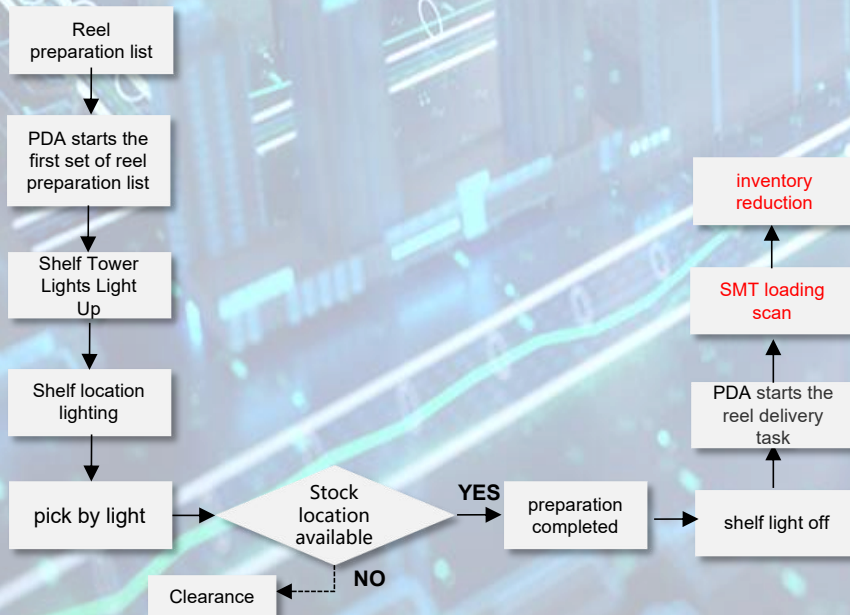


5. Scan the new reel barcode

6. Repeat steps 3-5

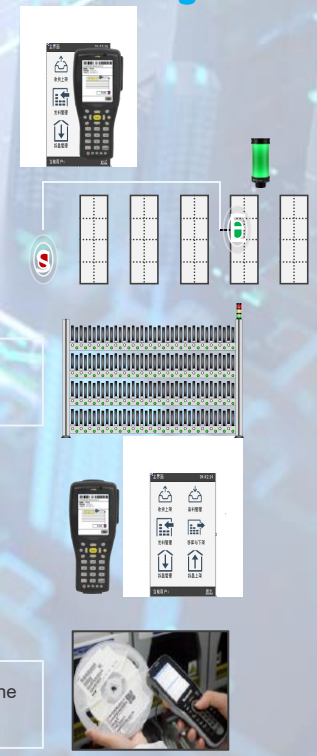


Reel delivery flow chart

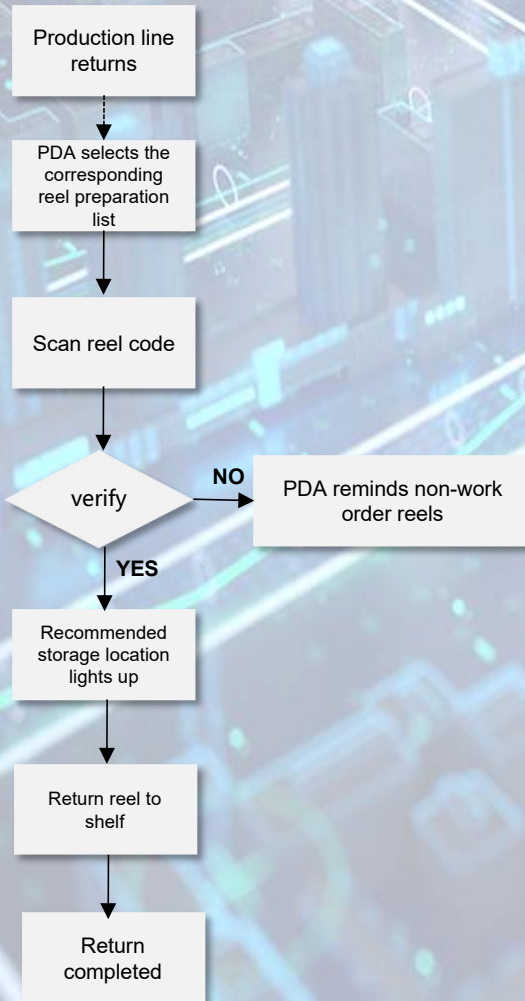


Reel delivery schematic diagram

1. PDA starts reel preparation task
2. Enter the area lit by tower lights
3. Pick the warehouse location with lights
4. PDA starts the reel delivery task
5. Scan the reel and send the it



Material returned flow chart



Material returned schematic diagram

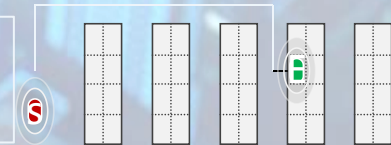
1. Start the return task



2. Scan the reel barcode



3. According to the light on the shelves



4. Return completed

Advantage

Storage

Num	Project	Current	Improved	Result	Remark
1	Training	90days	2days	97%	97% reduction in personnel training days
2	Skill Requirements	Yes	No	100%	No personnel skill requirements, reduced by 100%
3	Impact of personnel changes	Yes	No	100%	The flow of personnel has no impact on the warehouse work
4	100 discs time-consuming	50mins	16mins	300%	Efficiency increased by 300%
5	Employees	8	3	63%	Reduce personnel by 63%

Best After-sales service

- **Worldwide Support**
- **Free Installation/
Training**
- **1 day lead-time (spare
parts)**
- **1 Month customize
solution**



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