



FLASH SORTER >>

Intelligent Sorting Robot

Logistics Warehouse Distribution Center New Generation Multi-SKU
High Efficient Sorting Solutions

Damon

Damon Technology Group Co., Ltd

Zhejiang Dazhan Robot Co., Ltd. (a subsidiary of Damon Group)

Marketing Center

7th Floor, Software Building, No. 461 Hongqiao Road, Xuhui District, Shanghai (200233)
Phone: +86 21 6485 6600
Fax: +86 21 5426 0092
Email: marketing@damon-group.com

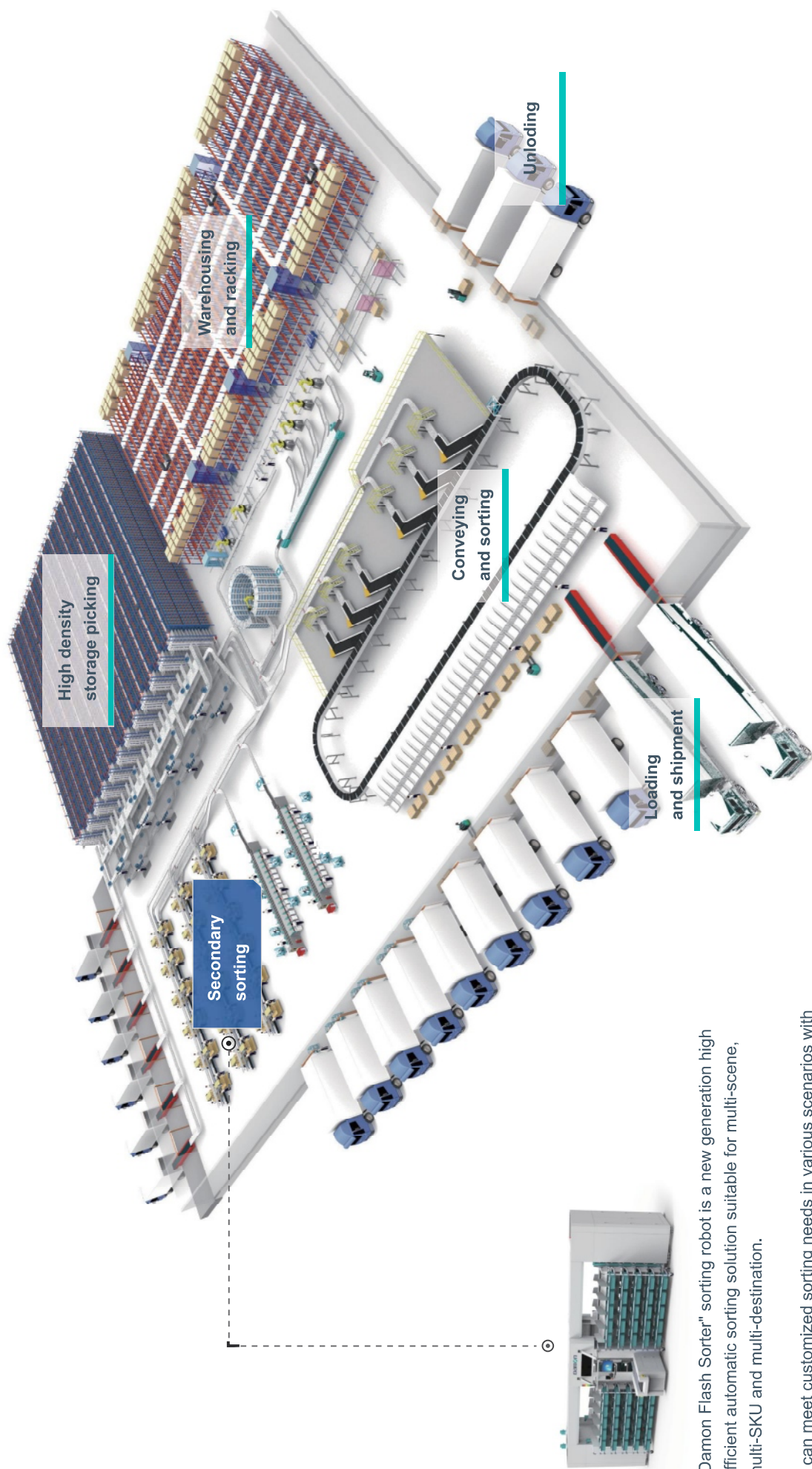
Manufacturing Base

Shangqiang Industrial Park, Daxi Town, Huzhou City, Zhejiang Province (313023)
Phone: +86 572 3526 110
Fax: +86 572 3526 007

2025 V1.



Product Overview

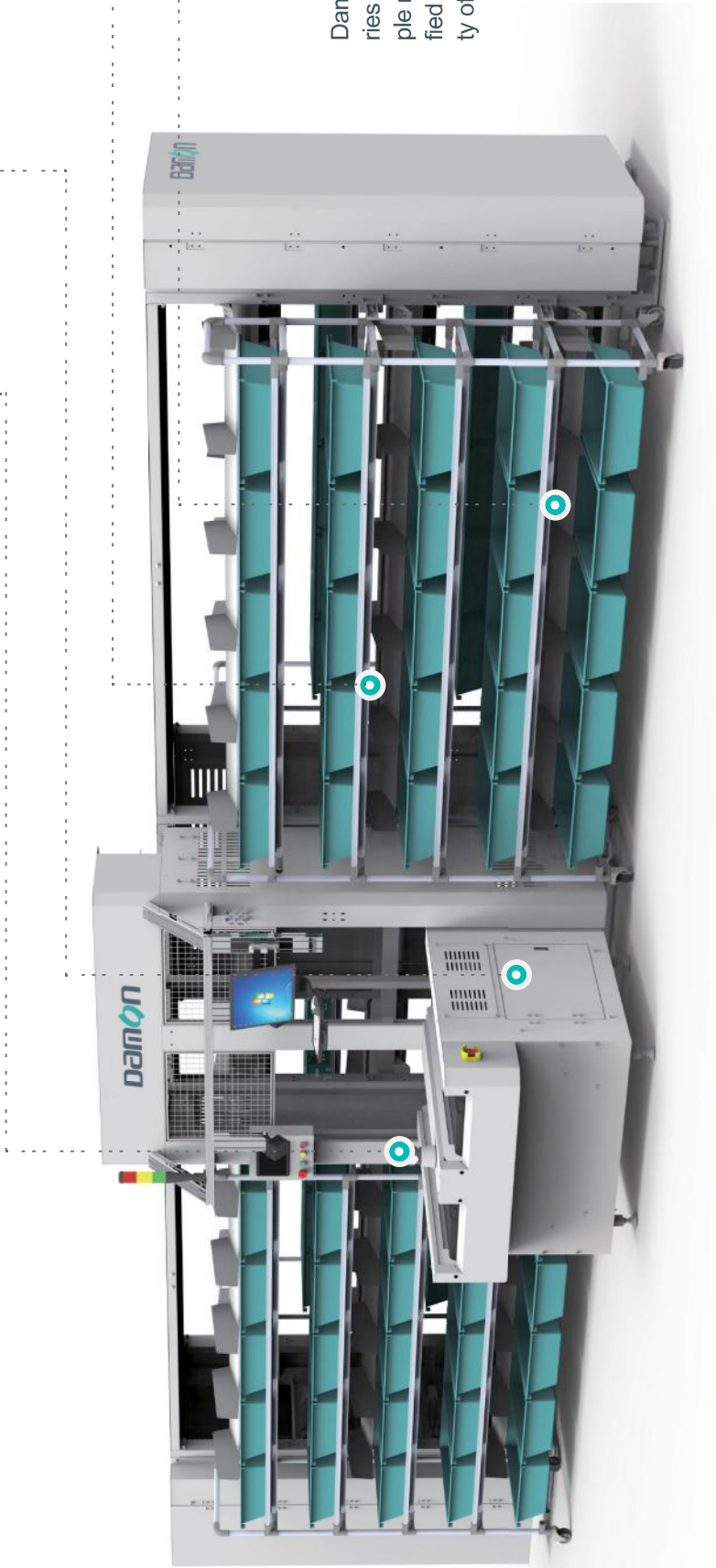


"Damon Flash Sorter" sorting robot is a new generation high efficient automatic sorting solution suitable for multi-scene, multi-SKU and multi-destination.

It can meet customized sorting needs in various scenarios with different numbers of destinations, different product categories and different throughput.

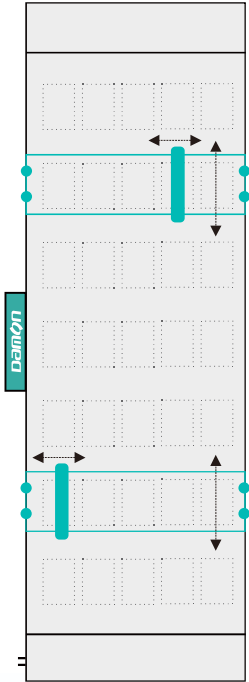
Product Structure

Top side/Five sided QR code scanning/RFID Automatically scan product code	Multi-flexible conveying units can meet various product parcel feeding needs	Trolley with high speed movement and sorting mode	50-1000 grids Multiple collecting methods: box and window
Code reading module	Induction	Sorter	destination window

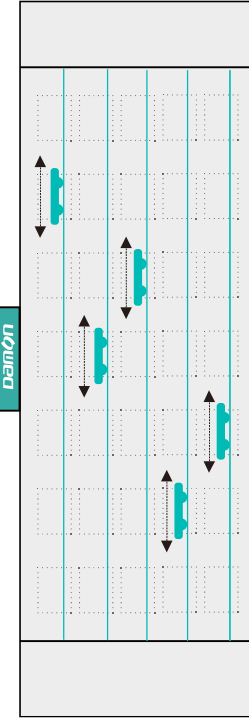


Damon Flash Sorter has two categories of **T series** and **E series** and multiple models, which can meet the diversified throughput needs and great quantity of windows.

T series



E series



FS-T-E50

Fash Sorter-T series(stacker type)
Front feeding 50 windows



FS-T-E100

Fash Sorter-T series(stacker type)
Front feeding 100 windows



FS-T-M100

Fash Sorter-T series(stacker type)
Middle-feeding 100 windows



Product Parameters

Model	FS-T-E50	FS-T-E100	FS-T-M100
Equipment size(m)	5.5L*1.5W*2.75H	9.1L*1.7W*2.75H	8.8L*2.2W*2.75H
Maximum number of windows	50	100	10
Windows width(mm)	445 / 510	445 / 510	445 / 475
Induction width (mm)	500 / 650	500 / 650	400
Sorting goods specification	30*20*5 650*450*200	30*20*5 650*450*200	30*20*5 ~ 500*400*200
Order trolley wall	Two groups	Four groups	Fours groups
Efficiency (pc/h)	1800	1400	1800
Parel weight(kg)	0.03~5	0.03~5	0.03~5
Remark	Suitable for large parcels, less destination and high efficiency required.	Suitable for large parcels, more destination and high efficiency required.	Suitable for Small and medium size. more destination and high efficiency required.

FS-E-2100

Flash Sorter -E series(multiple layer reciprocating type)
Double feeding 100 windows



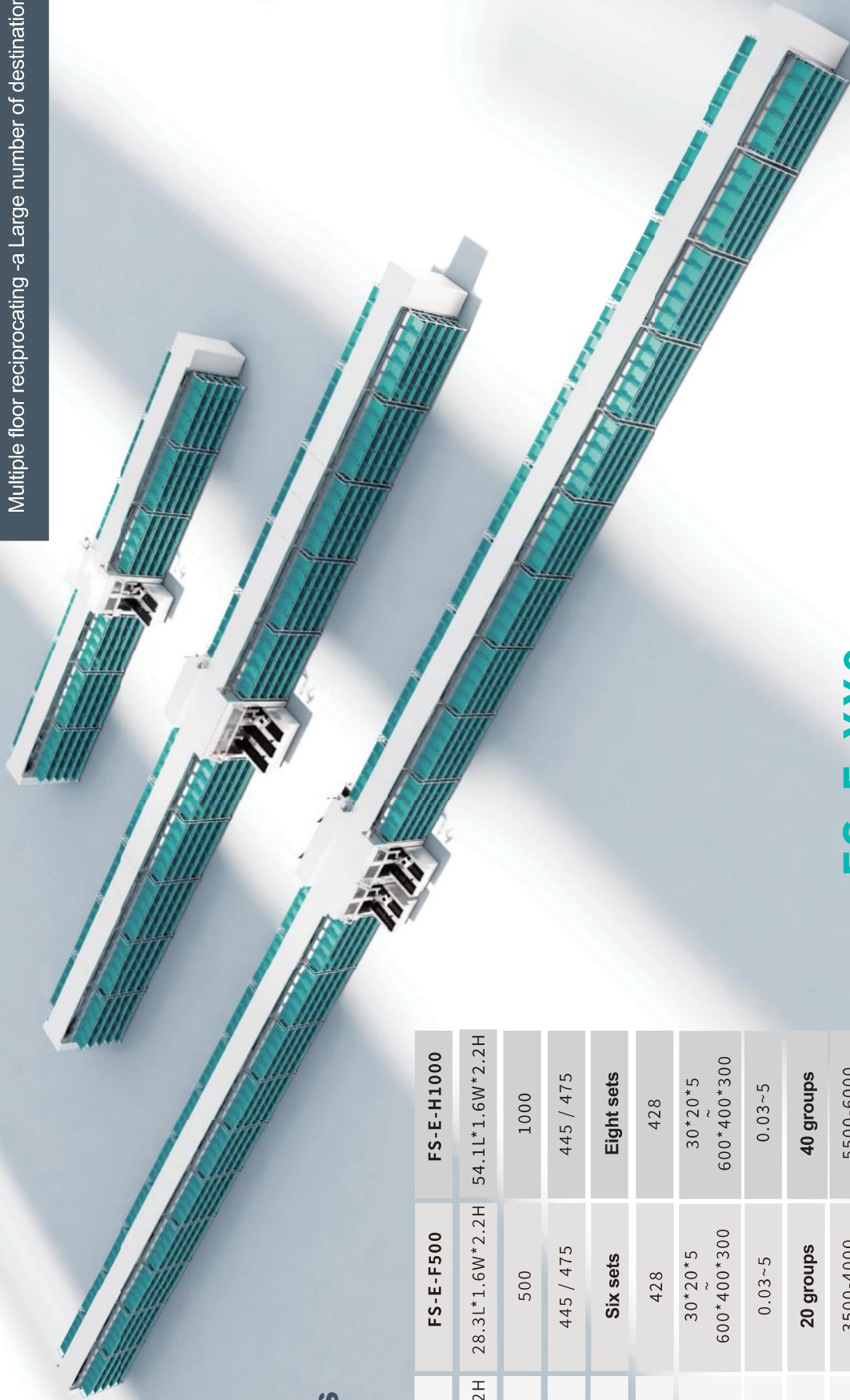
FS-E-3100

Flash Sorter -E series(multiple floor reciprocating type)
Three feeding 100 windows



Product Parameters

Model	FS-E-2100	FS-E-3100
Equipment size(m)	7.8L*1.6W*3H	8.4L*1.6W*3H
Maximum number of windows	100	100
Windows width(mm)	400 / 450	400 / 45
Induction	Two sets	Three sets
Parcel induction width(mm)	428	428
Sorting goods specification	30*20*5 ~ 600*400*300	30*20*5 ~ 600*400*300
Order trolley wall	Four groups	Four groups
Efficiency (pc/h)	2200	2600
Parel weight(kg)	0.03~5	0.03~5
Remark	Daily use articles, footwear, cosmetics, fresh, cold chain, etc	Small and medium-sized goods sorting Requires more grids Requires high efficiency



Product Parameters

Model	FS-E-D300	FS-E-F500	FS-E-H1000
Equipment size(m)	17.8L*1.6W*2.2H	28.3L*1.6W*2.2H	54.1L*1.6W*2.2H
Maximum number of windows	300	500	1000
Windows width(mm)	445 / 475	445 / 475	445 / 475
Induction	Four sets	Six sets	Eight sets
Parcel feeding table width(mm)	428	428	428
Sorting goods specification	30*20*5 600*400*300	30*20*5 600*400*300	30*20*5 600*400*300
Goods weight(kg)	0.03~5	0.03~5	0.03~5
Order trolley wall	12 groups	20 groups	40 groups
Actual efficiency(pc/h)	2500-3000	3500-4000	5500-6000
Remark	Daily use articles, footwear, cosmetics, fresh, cold chain, etc	Daily use articles, footwear, cosmetics, fresh, cold chain, etc	Daily use articles, footwear, cosmetics, fresh, cold chain, etc

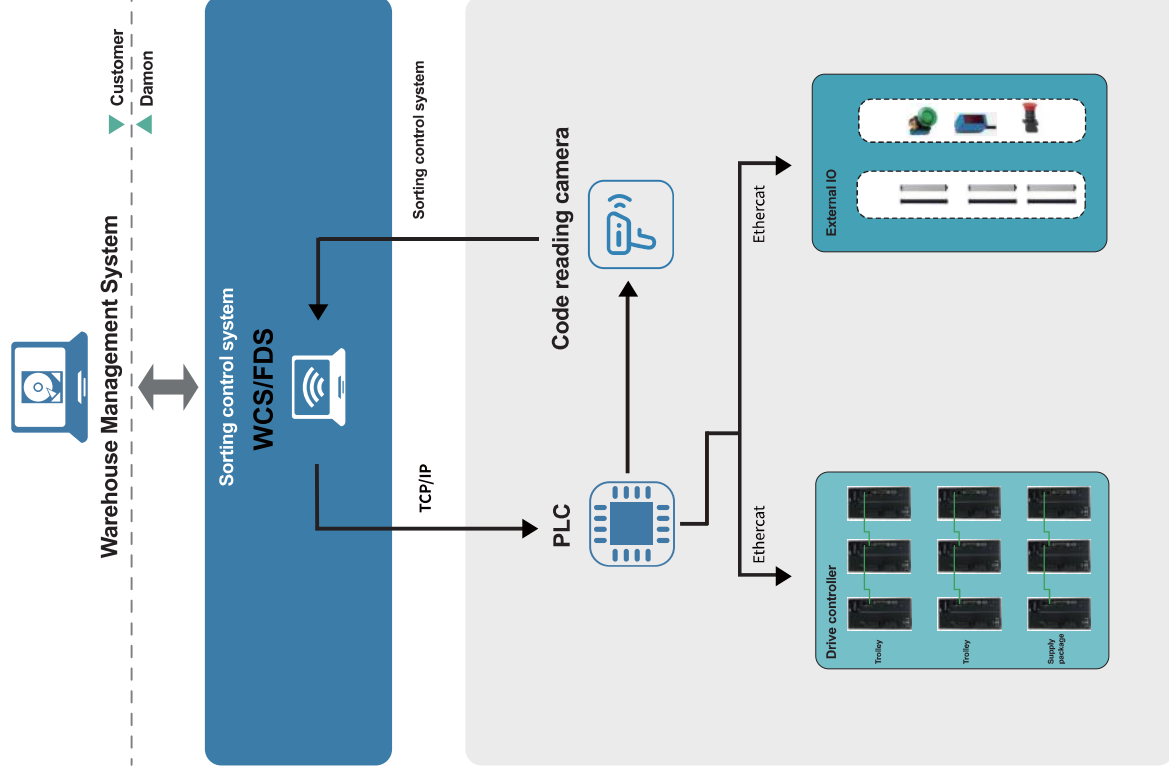
FS-E-XX0

Flash Sorter-E series
(Multiple floor reciprocating type)-a Large number of destination

E series T series Famil



System and Software



Application Scenarios



B2C warehouse distribution center, e-commerce warehouse 2nd sorting sorting



Fresh cold chain, community group purchase, retail, medicine and other fulfillment center



Sales and return logistics of clothing



Multi SKU storage and retrieval of parts and goods in the factory warehouse



Express delivery industry parcel sorting

■ Product Features

FLASH SORTER



6000 pcs/h

Maximum sorting efficiency

50 ~ 1000

Hundreds of destination

> 99.99

Sorting accuracy

Irregular parcel sorting

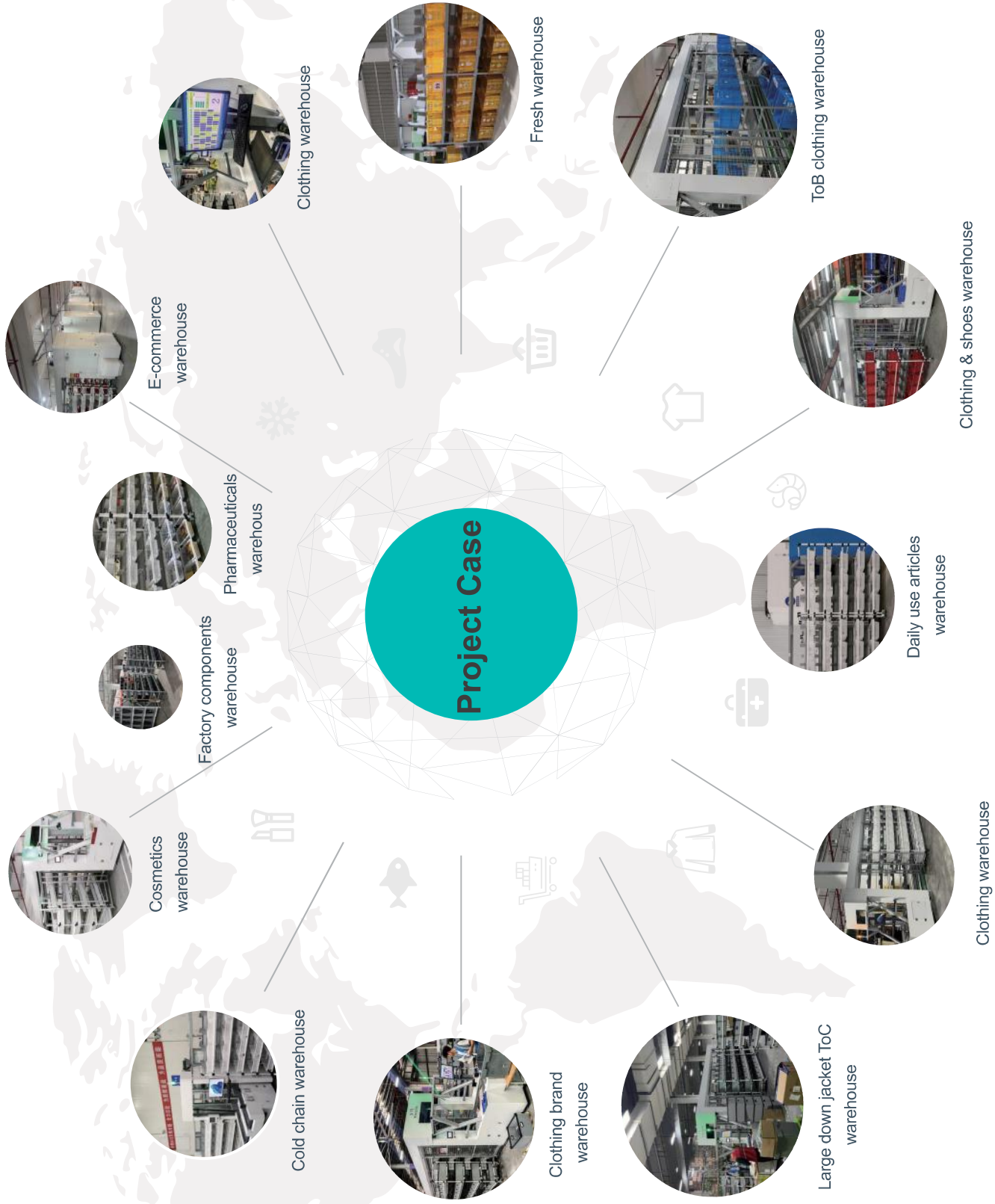
Goods anti-rotating protection

15~18 Months

Return on
investment cycle

whole process can be traced

Visual real-time tracking



After-sale service

Equipment maintenance

Regularly maintenance of the equipment can reduce the failure and risk, and also ensure the long-term operation of the equipment

Spare parts

The spare parts are in compliance with safety standards of domestic and international.

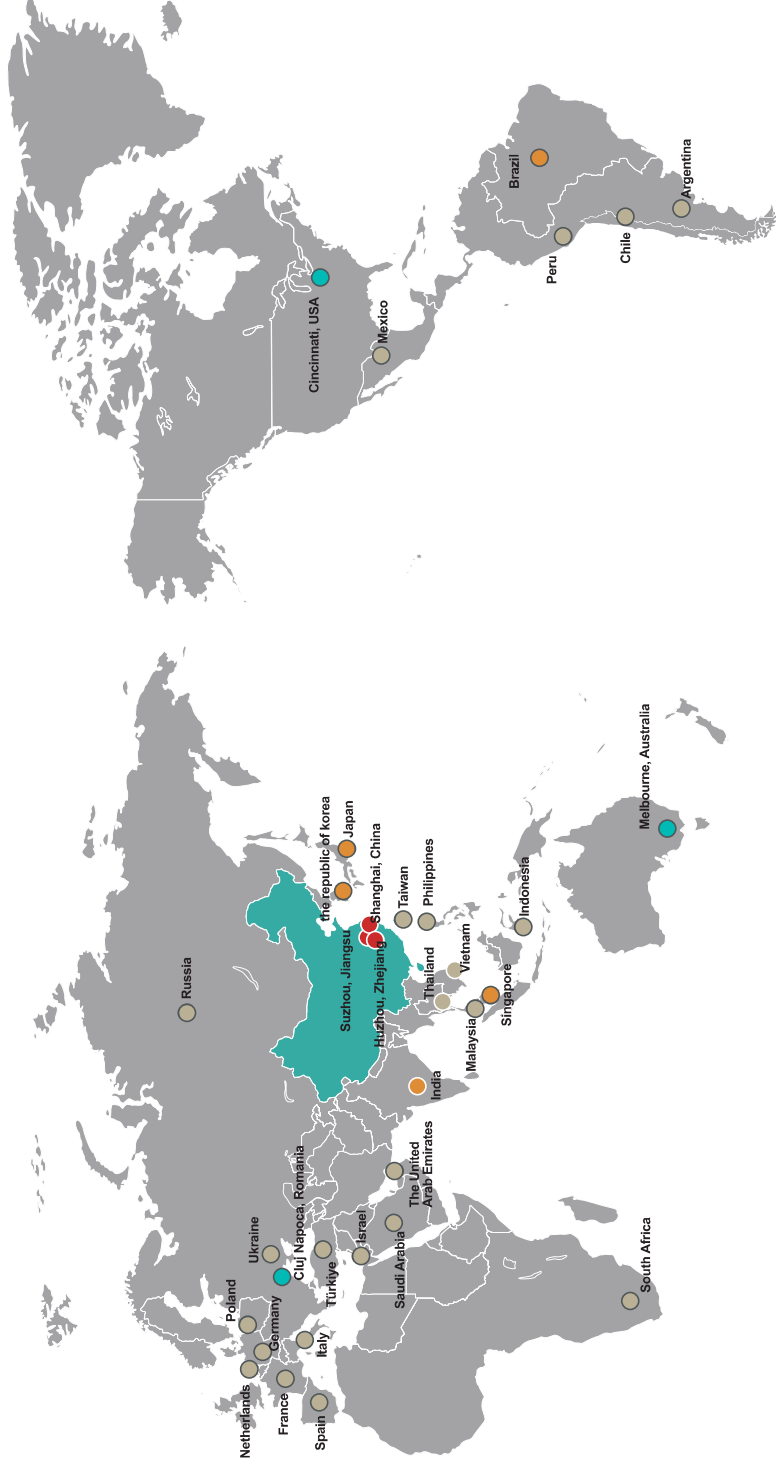
Remote maintenance

Free telephone and remote technical support services, quickly utilize electronic diagnostic tools, solve relevant problems through digital remote mode.

Technology training

Regularly provide equipment theory, technology, and practical training services to provide strong guarantees for equipment's safe and stable operation.

- Damon Headquarters & Central Factory
- Regional Marketing Center
- Sales and Service Network
- Regional Factory



Global Service Network Meet Customer Needs