



Intelligent put order solution 3D Sorter

Mushiny

3D Sorter

3D Sorter uses an innovative automatic put order solution, fully utilized 3D space, the flexible layout of the destination container location is adopted, and it can be applied in various logistics solutions such as forward logistics and reverse logistics. For multi-order put order, return sorting, material group set sorting and other processes have extremely high sorting flexibility, sorting accuracy and efficiency, the maximum sorting efficiency can reach more than 10,000 pieces per hour. In a variety of operation processes such as put order and picking order, the efficiency has been significantly improved, and the work intensity has also been significantly reduced, improving ROI for customers

Product advantages



► Small size, large capacity

- ✦ The pitch of sorting carrier is only 0.5m(19.69in), effective ultra dense sorting
- ✦ Continuous ultra-high throughput sorting, up to 10,000pph



► High adaptability

- ✦ Seamless connection with various WMS, WCS, MES, ERP and other systems
- ✦ Support various applications including forward and reverse logistics
- ✦ Support customized requirements



► High efficiency

- ✦ Put order efficiency 2-3 times increase
- ✦ Pick order efficiency 3-5 times increase



► High flexibility

- ✦ Flexible order induction, support multi location setting of induction ports
- ✦ Put order wall by modular design, flexible replacement capability



► 3D Sorting

- ✦ Vertical and horizontal two directions 3D sorting
- ✦ Small footprint, saving half of the space than the general cross belt sorter

Application scene

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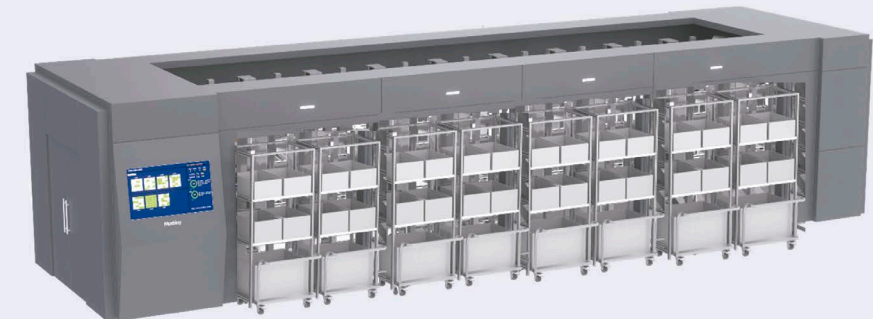
Multiple order and return order put order, regional or store goods sorting

Application industry

shoes and clothing, e-commerce, books, 3PL, beauty, stationery, supermarket, manufacturing, etc

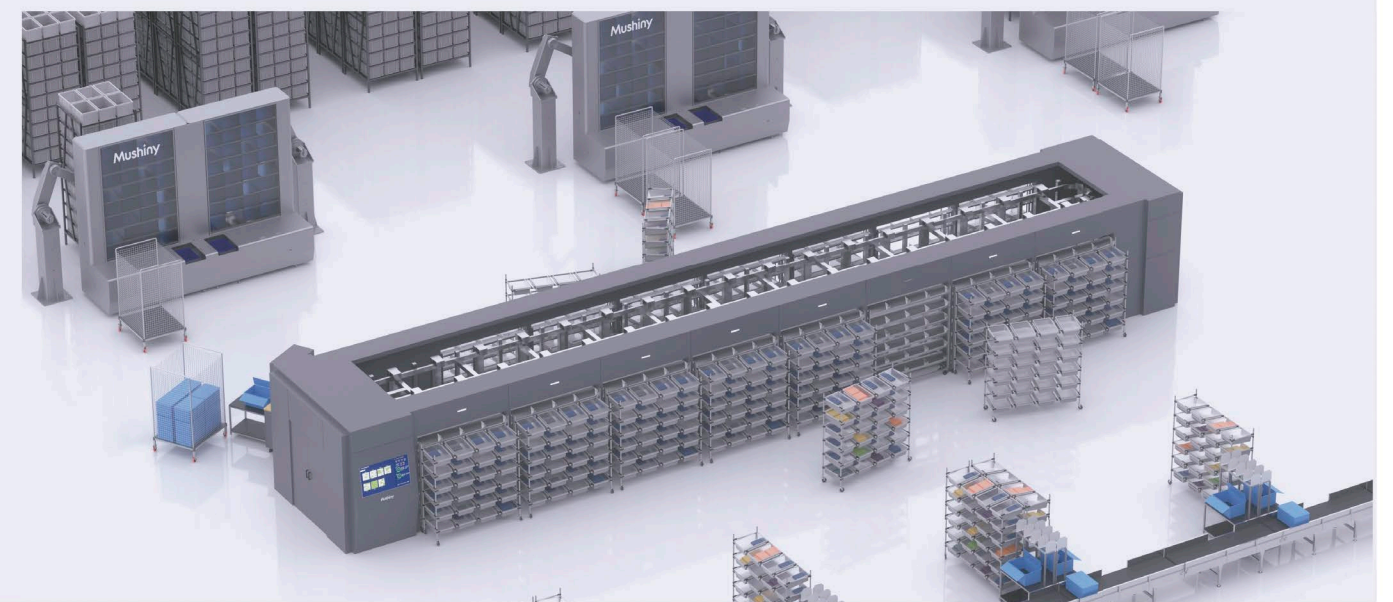
● Return order:

Full use of 3D space, more suitable for the arrangement of large wave size of the material box, through the fixed material box and moving material box of different combinations of the ratio, can be applied to a variety of complex return business.

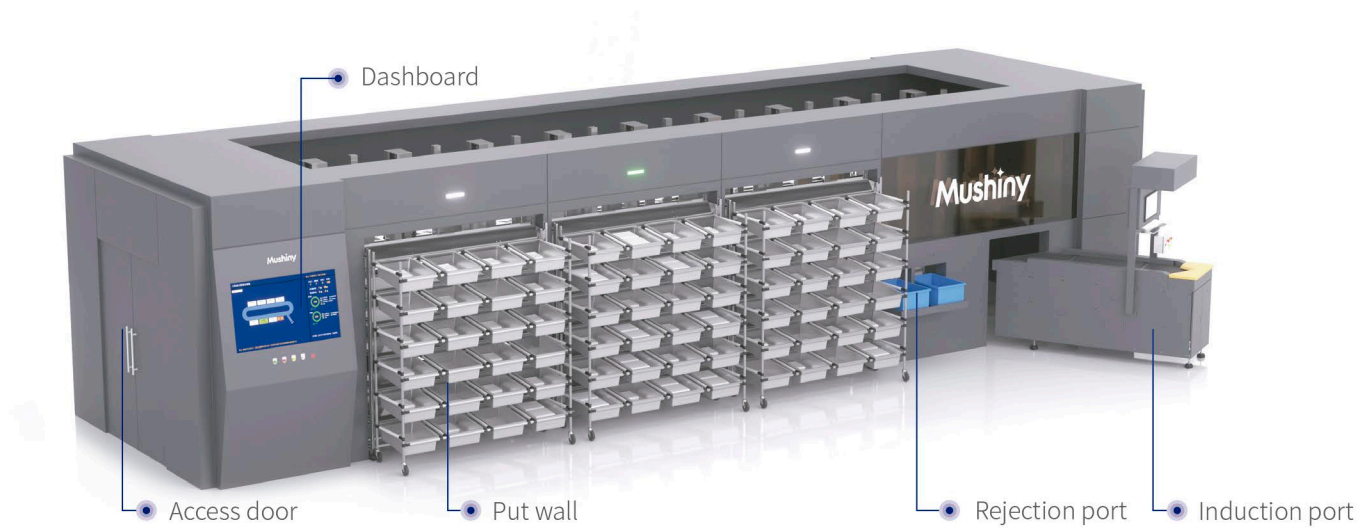


● Put order:

The 3D Sorter can be applied to traditional manual cargo warehousing projects and can also be connected to new AMR goods to person solution projects. By deploying 3D Sorter, it is possible to increase the size of order picking waves, increase the order winning rate of picking shelves, and the number of single order picking items. While reducing labor intensity, the picking efficiency can be improved by 3-5 times, and the sowing efficiency can be improved by 2-3 times.



Product overview



Product parameters

3D Sorter	Product size (L, W, H)	L11,920~30,420mm, W3,910mm, H2,700mm, (L469.29~1197.64in, W153.94in, H106.3), (Length, height and size can be customized)
	Size of sorted goods (L, W, H)	L50~400mm, W50~300mm, H5~200mm, (L1.96~15.75in, W1.96~11.81in, H0.2~7.87in)
	Maximum weight of sorted goods	5kg (11lb)
	Number of Induction ports	1 ~ 4 (Customizable)
	Number of destination	280 (Customizable)
	Maximum throughput	14,400pph
Induction port	Scanning method	Top scanning (can be configured with six sided scanning)
	Conveyor inner width	540mm (customizable inner width)
	Conveyer length	2,100mm(82.68in)
Put wall	Mobile put wall	L1,920*W550*H2,100mm (L75.59*W21.65*H82.68in)
	Plastic box put wall	L1,800*W650*H2,100mm (L70.87*W25.59*H82.68in)
	Chute put wall	L1,800*W1,100*H2,300mm (L70.87*W43.31*H90.55in)
	Combined put wall	L900*L950*L800 (x2) (L35.43*W37.40*H31.50in)

Put wall can be selected and the size can be customized

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