

CHARACTERISTICS OVERVIEW OF THE STORAGE AND SORTING SYSTEM

TECHNICAL CHARACTERISTICS	
Product characteristics	
Average weight	2 - 5 g
Maximum weight	up to 30 g,
Packing	Polyethylene zipper bag
Package size	70mmx100mm.
Returnable container	A ball "SmartBall" with RFID, no larger than Ø 50mm
Storage volume and productivity	
Range of goods	20 000-25 000 items
Recipient number	from 500 до 1000
Productivity per shift (8 hours)	Input - 40 000 articles Output - 40 000 articles
Maximum warehouse capacity	350 000 - 700 000 pcs.
Work schedule	3 shifts, 7 days.
Lot to the shop	From 80 up to 500 pcs.
Shipment	1 time a day
COMPONENTS OF THE SYSTEM	
Input control section	
Inspector workstation, pcs.	10
Gravity conveyors, m	30
Stock charging area	
Spiral conveyors, pcs.	1
Gravity conveyors, m	10
Storage place	
Spiral conveyor зоны загрузки, pcs.	4
Cell mesh (acrylic tube), pcs.	25200
Storage place number in the cell (в трубе), pcs.	40
Cell (consists of 20 x 21 = 420 cell meshes pcs.), pcs.	60
Storage module (consists of 5 x 3 = 15 cell pcs.), pcs.	4
Loading manipulator FESTO, pcs.	4
Unloading manipulator FESTO, pcs.	4
Spiral conveyor зоны выгрузки, pcs.	4
Gravity conveyors, m	40
Cross-docking	
Spiral conveyor, pcs.	2
Gravity conveyors, m	15,1
Sorting area	
Mashine for conveying of the empty containers	1
Gravity spiral sorting conveyor	4
Barcode marking device	1
Gravity conveyors, m	30
Output inspection section	
Inspector workplace, pcs.	2
Gravity conveyors, m	25
Barcoding area	
Workplace, pcs.	1
Gravity conveyors, m	4

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