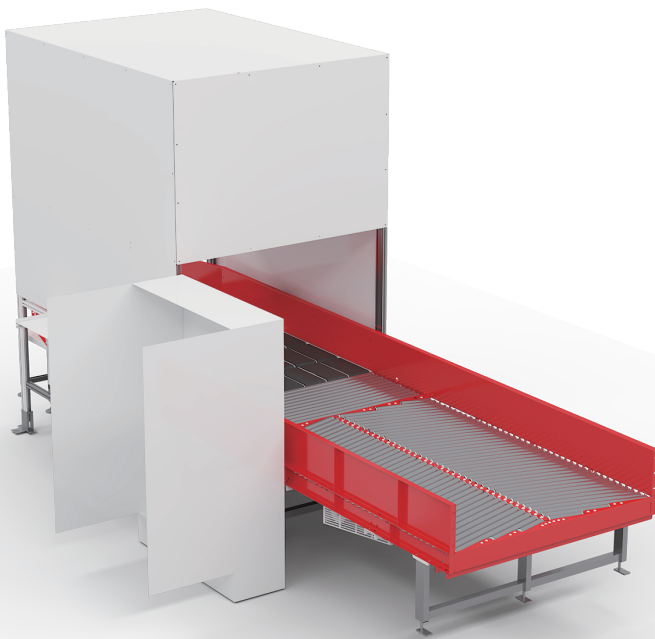


OPERATION MECHANISM

Automatic parcel singulator adopts visual technology to identify objects, and controls the start and stop of several small conveyor belts according to the recognition results, so as to realize the technical solution of separating adjacent packages. It consists of evacuation section, separation section, roller transition section, skew section (in the middle part), vision system and other modules.



FEATURE



Quick Unloading

The operator will lay the packages on the telescopic conveyor, and there is no need to separate them which could improve the unloading efficiency.



Automatic Package Supply

After scanning and weighing, supply the package to matrix, cross-belt sorter, straight narrow belt sorter and other sorting systems .

	Evacuation Section	Separation Section	Roller Transition Section	Skew Section (In The Middle)
4K	L500*W1440*H600	L2000*W1514*H600	L600*W1514*H600	L3000*W1514*H600/L2300*W1514*H600
6K	L500*W1240*H600			
6.5K	L500*W1040*H600	L1600*W1212*H600	/	L2400*W1212*H600

	Visual System	Load Capacity	Conveying Speed	Separation Interval
4K	H2875	60kg	0.8~1.5m/s	≥540mm(Adjustable)
6K			1.2~2.0m/s	
6.5K	H2320~2850	10kg	1.0~1.5m/s	≥400mm



APPLICATION SCENARIO

Its main function is to automatically separate, pull and intelligent queue mixed parcels before them enter to various automatic sorting system, so that the messy parcels in accordance with the specified spacing into a single row "formation" orderly passage.

PARAMETER

Size Range of Parcels Can Be Handled

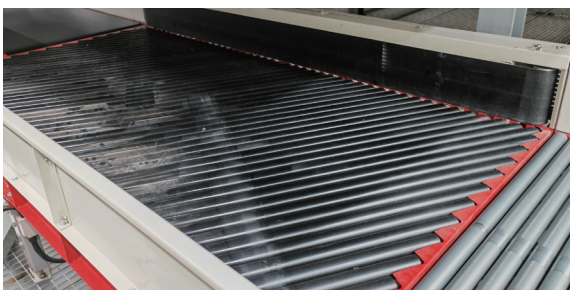
Max:L1000mm x W700mm x H700mm (4K&6K); L465mm x W380mm x H250mm (6.5K)

Min:L150mm x W150mm x H25mm(4K&6K) ; L120mm x W120mm x H1mm (6.5K)

Parcel Weight:0.3-50kg(4K&6K) ; 0.05-10kg (6.5K)

Separation Success Rate: $\geq 95\%$ (Small piece) ; $\geq 99\%$ (Big piece)

Separation Efficiency: ≥ 4000 pc/hour ; ≥ 6000 pc/hour ; ≥ 6500 pc/hour



SAFETY

It is equipped with an emergency stop button, reserve external safety loop interface, control loop is not affected by the emergency stop button.



SERVICE

Perfect after-sales service, with professional and technical personnel for you in the use of the process to answer questions.

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