Danikor

Multi Feeder System

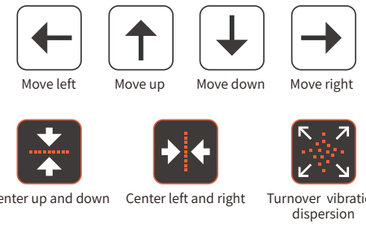
Compatible Flexible Easy to use Reliable Durable

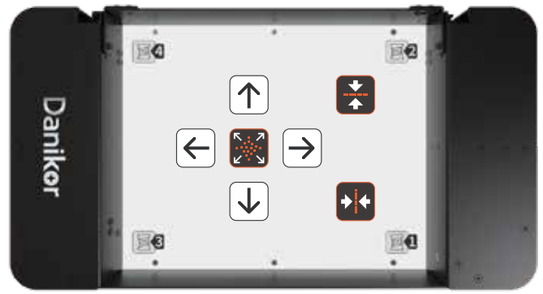
Multi feeder

Model		MTS-U10	MTS-U15	MTS-U20	MTS-U25	MTS-U30	MTS-U35	MTS-U45	MTS-U60
Dimension (L*W*H) (mm)		321*82*160	360*105*176	219*143*116.5	262*180*121.5	298*203*126.5	426.2*229*184.5	506.2*274*206.5	626.2*364*206.5
Pick window (length by width) (mm)		80*60*15	120*90*15	168*122*20	211*159*25	247*182*30	280*225*40	360*270*50	480*360*50
Weight		about 5kg	about 6.5kg	about 2.9kg	about 4kg	about 7.5kg	about 11kg	about 14.5kg	about 21.5kg
Voltage		DC 24V		DC 24V			DC 24V		
Maximum current		5A		5A			10A		
Movement Type		Move back and forth/side to side,Flip,Center(Long side),Center(Short side)							
Operating frequency		30~65Hz		30~55Hz			20~40Hz		
Sound Level		<70dB (without collision sound)		<70dB (without collision sound)			<70dB (without collision sound)		
Permissible load		0.5kg		0.5kg			1kg	1.5kg	2kg
Maximum part weight		⩽ 15g		⩽ 15g			⩽ 50g		
Signal interaction	PC	TCP/IP		TCP/IP			TCP/IP		
	PLC	I/O		I/O			I/O		
	DK Hopper	/		RS485			RS485		
	Other Hopper	/		I/O			I/O		

Form of movement

Various movement forms of materials (as shown in the figure below) are realized through internal algorithm control, so as to better obtain the expected product form.





Hopper parameters

Model	HPS-LV0-1L	HPS-LV0-2L	HPS-LV0-5L	HPS-LV0-10L	HPS-LV0-20L
Size mm(x*y*z)	350*120*183	350*120*223	536*164*322	689*194*352	778*258*364
Weight kg	7.5	8	22	26	62
Capacity L	1	2	5	10	20
Equipment voltage	DC24V			DC24V	DC36V
Rated power	100W			120W	180W

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Danikor

Reserve the right to change the parameters of product selection. version: 24/06

Multi feeder


U10


U15

U20

U25

U30

U35

U45

U60

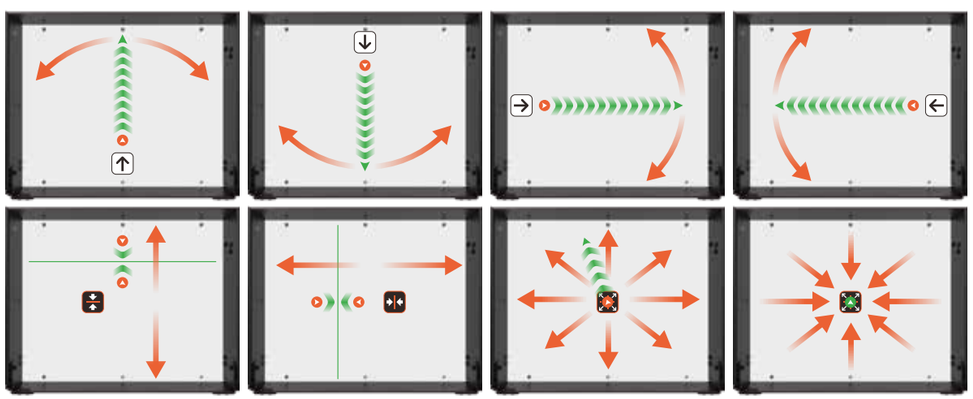
Functional advantages

Intelligent frequency finding
One-key self-adaptive material vibration frequency, simplifying manual operation.

Originally
Manual adjustment of vibration frequency

Now
Frequency finding with one key can be completed in 12 seconds, greatly shortening the debugging time

Automatic direction control
Flexibly control the direction of vibration, point where to hit, and quickly correct the vibration state and position of materials.



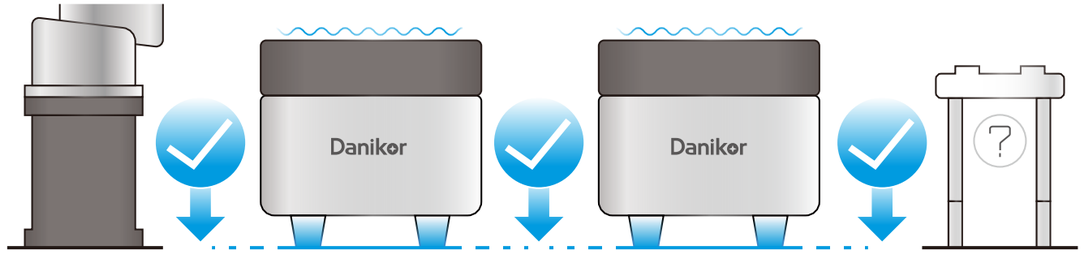
Adjust in any direction according to the graphical interface

Emergency stop and start
Quickly control the stop of the equipment to reduce the waiting time for visual shooting;
Quickly control the start of the equipment to save the beat of vibration dispersion.

Residual vibration time:
1s → 0.2s

Vibration Isolation
Avoid mechanical vibration interference and improve working rhythm.

95% Isolation of vibration energy from work surfaces



Diversity & compatibility
Applicable to a variety of complex special-shaped materials.

Plate customization
Customize different type plate for different type materials.

High "screen ratio"
Smaller floor area and large usable area of the plate surface.

Flexible
Suit for multi variety material and can change material easily , material clearing function is optional choose.

Durable
Good quality comes from 100 million durability tests of core parts.

Hopper

Strong versatility, Suitable for various types of materials


1L \ 2L


5L \ 10L


20L

Stable
Independent research and development of straight vibration system, can achieve stable feeding.

Adaptive amplitude modulation
Automatically adjust the vibration amplitude according to the quantity of different materials to ensure stable feeding quantity (5/10/20L standard requiped)

Integrated design
No additional hoppers, greatly reducing the risk of jamming.

Maintenance free
Stable quality with no maintenance required.

Flexible
Through 485 communication, the vibration mode is flexibly controlled and adjusted in real time according to different materials, which is more efficient.