

QuickSort® features include:

- HIGH-SPEED sorting capacity (7,500 pcs/hr)
- ADAPTABLE to various shapes and sizes
- FLEXIBLE for layout changes and expansion
- GENTLE HANDLING without damaging conveyed items

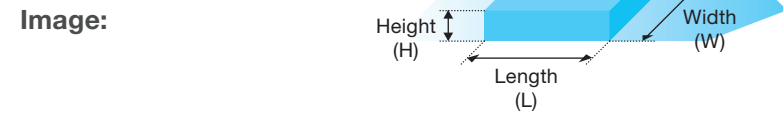
QuickSort® is versatile

- capable of sorting items of various shapes and sizes up to 30kg



Dimensions of conveyed items
Size (LxWxH): MAX: 900mm x 600mm x 600mm
MIN: 200mm x 200mm x 10mm
(*type 0810B)

Weight: 0.5~30kg



Evenly spaced ball-shaped rollers on surface rotate at high speed.
Conveyed items are sorted at high speed by changing the rotating direction of the rollers.

Specifications

Model	0810B	0606B
Unit dimensions (LxWxH)	1030mm x 845mm x 485mm	630mm x 675mm x 505mm
Height adjustment range	±30mm	±30mm
Unit weight	255kg	146kg
Conveying Speed	MAX : 100m/min MIN : 60m/min (required to be adjusted by an inverter)	
Dimensions of conveyed items (L≥W≥H)	MAX : 900mm x 600mm x 600mm (*1) MAX : 750mm x 500mm x 500mm MIN : 200mm x 200mm x 10mm	MAX : 600mm x 400mm x 400mm (*1) MAX : 450mm x 300mm x 300mm MIN : 200mm x 200mm x 10mm
Minimum interval between conveyed items	400mm	
Throughput	Up to 7500 pcs/hr (*2)	
Weight range of conveyed items	0.5~30kg	
Power supply	Power supply : 200V AC / 380V AC (3 phase, 50 / 60hz) [Contact us for other voltages.] Control power supply : 24V DC	
Air supply	Lube-free / Dry air / Working pressure: 0.4MPa Pneumatic coupling diameter: 12mm, with one-touch fitting	
Air consumption	See Table 1	

(*1) When the upstream side has a centering conveyor or a skewed conveyor.
(*2) Under the following conditions; conveying speed is 100m/min, conveyed items are 400mm in length, and intervals between conveyed items are 400mm.

Table 1: Air consumption		(NL / min)					
		Throughput(pcs/hr)					
Model	0606B	3,000	4,000	5,000	6,000	7,000	7,500
	0810B	73	97	121	145	169	181
		130	173	216	259	302	324



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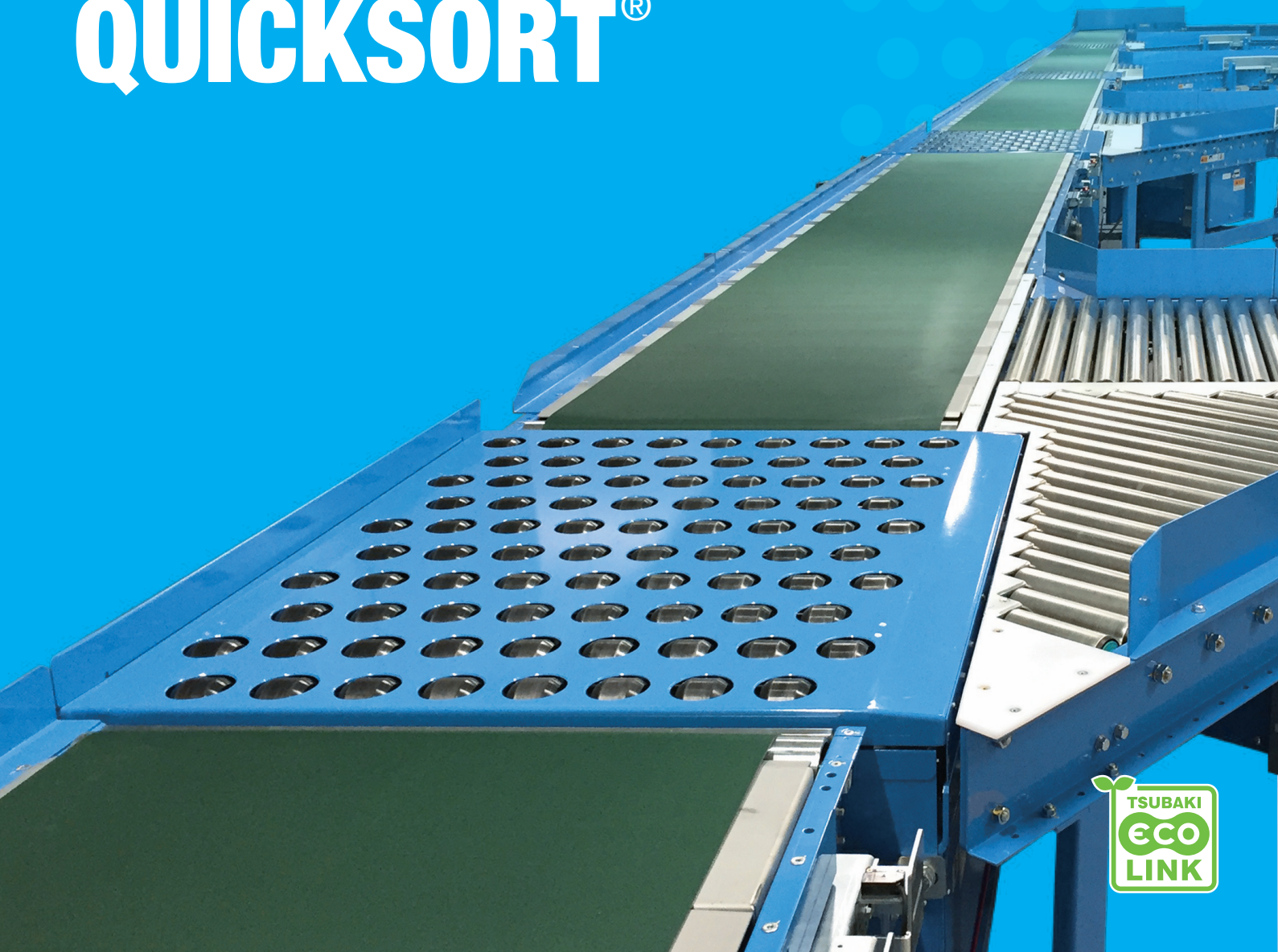
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Tsubaki Web Page
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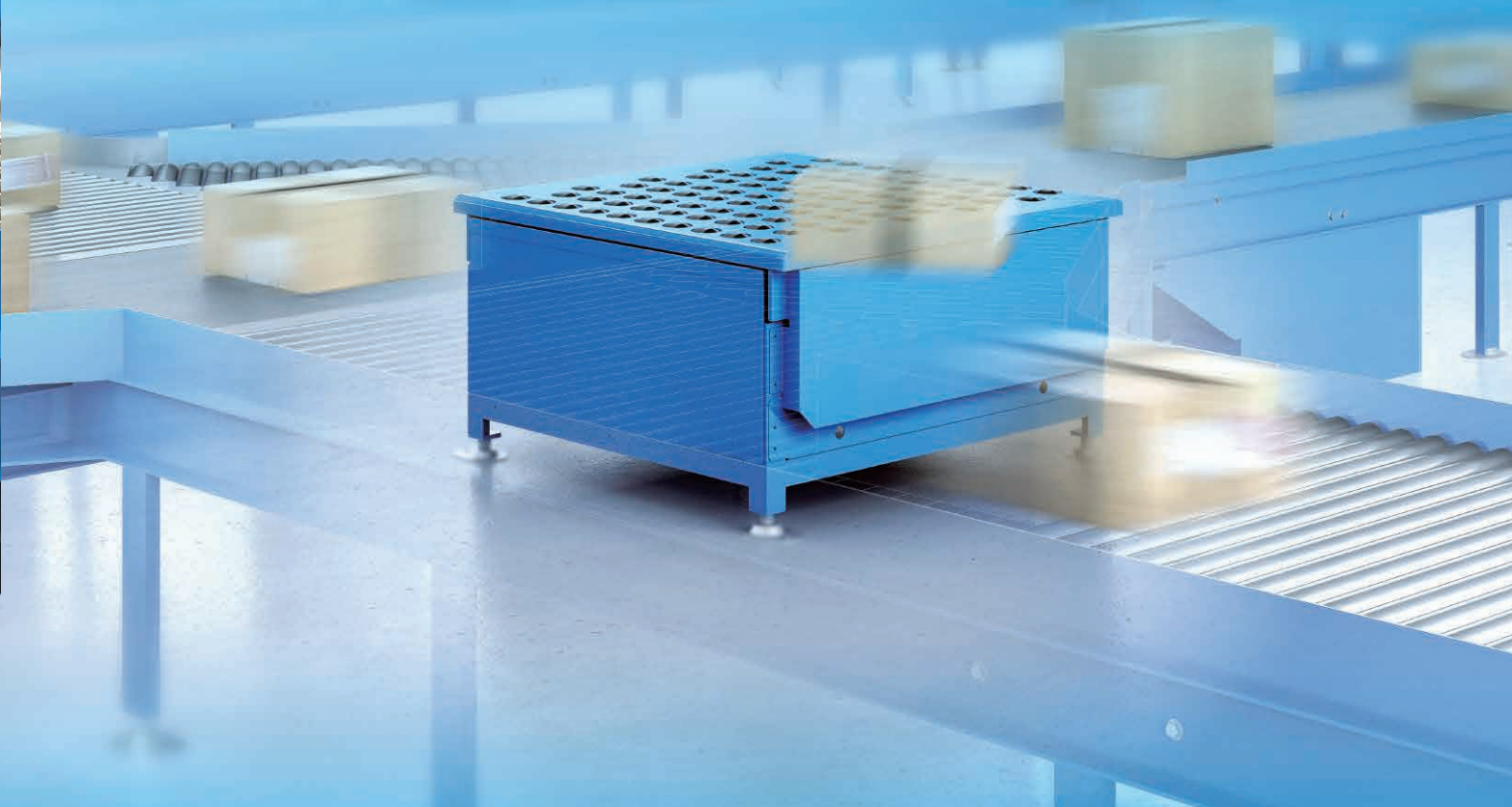


TSUBAKI
QUICKSORT®



QuickSort® is an
Automated High-Speed Pivot Wheel Sorter.

Items on conveyor lines can be sorted
while maintaining conveying speed.

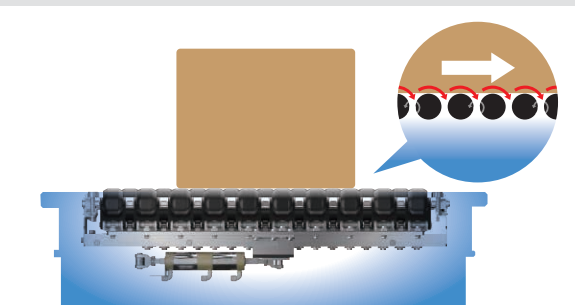


Gentle and Quick Sortation – Advantages of QuickSort® –

01

Gentle Handling

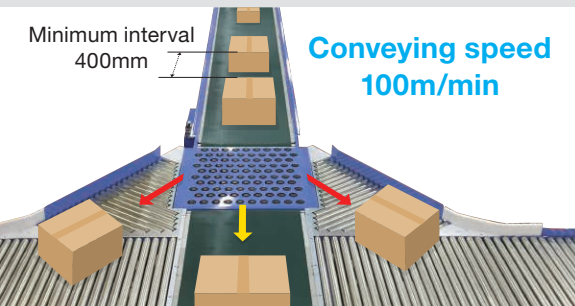
Sorting with roller friction ensures gentle handling without pushing or tilting conveyed items.



02

High Speed Sortation

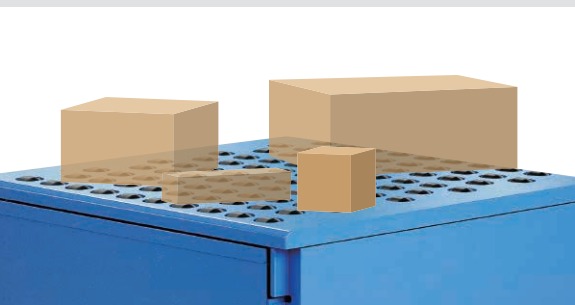
Two adjacent rows of rollers change rotating direction to allow conveyed items to be sorted even when in close proximity to each other.



03

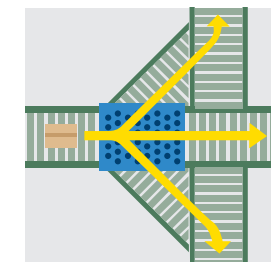
Handles various sizes

Rows of evenly spaced rollers at short intervals enable handling of various sizes.

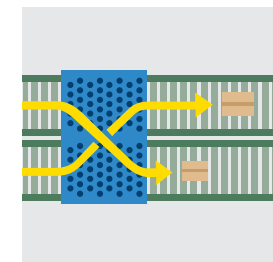


Flexibility to fit any layout

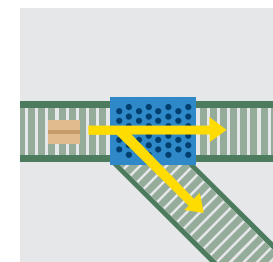
QuickSort® modules installed between conveyors enable various ways of automated sortation, such as sorting, crossing, and diverging.



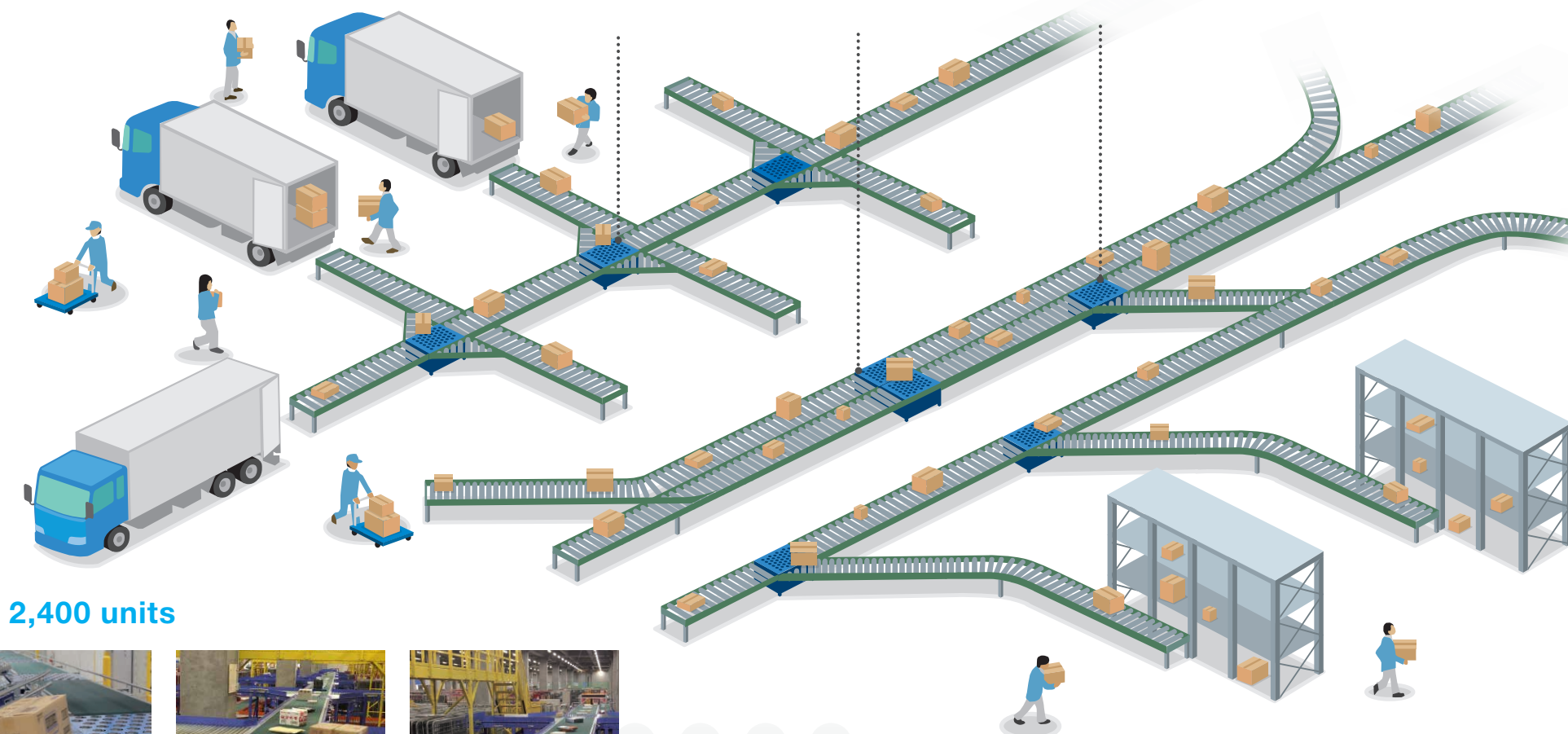
Tri-directional sorting



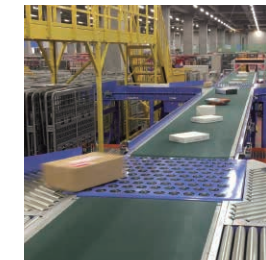
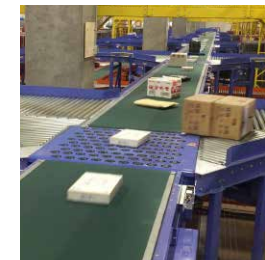
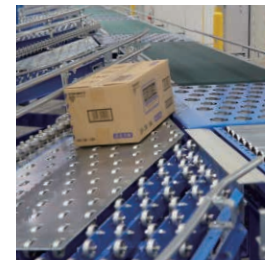
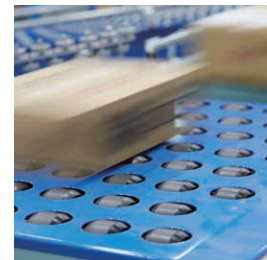
Cross sorting



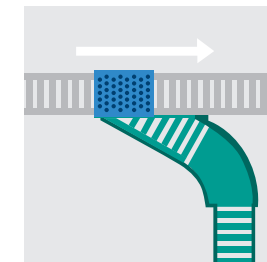
Bi-directional sorting



Global supply: over 2,400 units

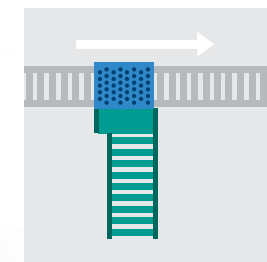


Optional Chute Patterns



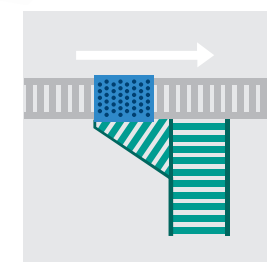
[Long-Curve]

A long-curved chute enables a larger work area.



[Right-Angle]

A right-angled chute saves space, allowing more chutes to be installed.



[Broad-Right-Angle]

A wide chute allows miscellaneous items to be sorted.

Simple Structure and Easy Maintenance



Low-friction rubber rollers

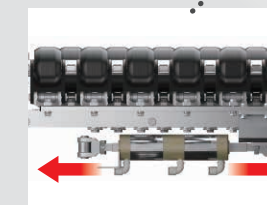
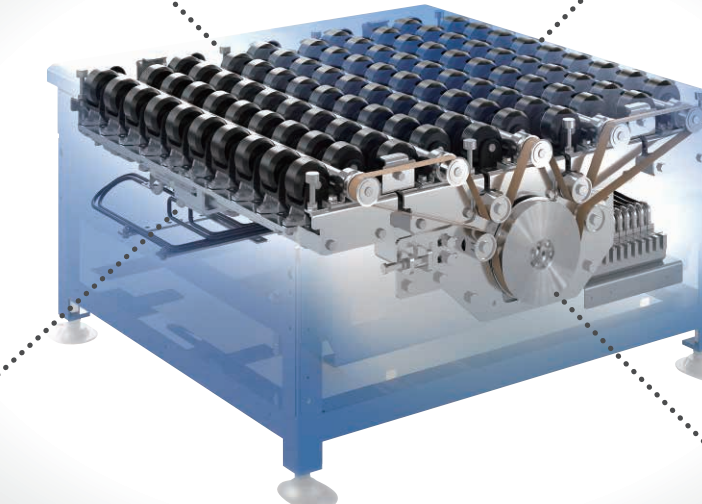
Optimally shaped rollers made of carefully selected materials ensure long-lasting and reliable sorting.



Shaft-driven rollers

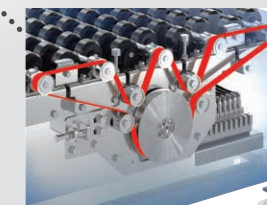
A single shaft driving two rows of rollers allows for a simple structure.

All rollers are driven using a single motor making maintenance simple



Pivoting with pneumatic cylinders

Pneumatic cylinders enable high speed pivoting of rollers.



One motor generates all the power

Only one motor drives all the shafts and rollers.