GENI-belt™
Pioneering generation of cross-belt sorters

Ultimate technology for automated solutions

- Unrivalled accuracy whatever the type of items
- Top reliability, availability and energy efficiency
- Flexible control of sorting trajectories
- Adjustable cell speed/acceleration during sortation
- Easy maintenance and low operational costs
GENI-belt™ is Fives’ high speed sorters range to safely automate sorting in postal, express courier and distribution

UNRIVALED ACCURACY, WHATEVER THE TYPES OF ITEMS SORTED

— High accuracy and sorting capacity thanks to closed deck transportation surface, variable sorting speeds and flexible trajectories
— Can handle items form small packets, documents, trays, bottle cases, fresh food, flat garments, shoe boxes to 1,500 mm long parcels, weighing up to 80 kg
— Maximized density of items thanks to “widthwise” method
— Very high speed resulting in outstanding sorting capacity
— Items aligned and kept centered in the middle of the conveyors during all transportation from feeding to unloading into outlets
— Thanks to the sorting unit new design, weight and costs are reduced

ULTIMATE FLEXIBILITY

— Can be adapted to physical constraints
— Can be implemented in narrow space thanks to minimal cross section
— Flexibility for layout design thanks to level change up to 15°, floor supports every 6 m approx. and possibility to hang the equipment to the ceiling
— Adjustable off-loading trajectories according to item position, weight and speed

EASY MAINTENANCE AND LOW OPERATIONAL COSTS

— Predictive maintenance thanks to sorter monitored by diagnosis controller
— Maintenance operations can be postponed in case of failure
— No need for emergency or specialized maintenance

ULTIMATE RELIABILITY, AVAILABILITY AND EFFICIENCY

— Full component redundancy and fault tolerance
— Higher energy efficiency based on the distributed redundant friction driving units, each provided with 2 brushless motors
— Efficient energy transfer on board the sorter thanks to patented power generating wheels

GENTLE HANDLING AND REDUCED PERCENTAGE OF NCY

— Can be implemented in various applications: postal, express courier, and distribution
— The positive control of items behavior and the gentle handling avoids any damage or jamming of the products, reducing the number of non-conveyable items

— Very precise off-loading trajectories
— Adjustable cell speed/acceleration during sortation
— Variable sorter speed up to 3 m/sec

Technical features*

<table>
<thead>
<tr>
<th></th>
<th>min.</th>
<th>max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sorter cell size</td>
<td>630 x 330 mm</td>
<td>1,500 x 550 mm</td>
</tr>
<tr>
<td>Item size</td>
<td>100 x 50 x 2 mm</td>
<td>1,500 x 800 x 800 mm</td>
</tr>
<tr>
<td>Item weight</td>
<td>min. 20 g</td>
<td>max. 80 kg</td>
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<tr>
<td>Sorter capacity</td>
<td>up to 24,000 items/h</td>
<td></td>
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<tr>
<td>Inclination</td>
<td>up to 15°</td>
<td></td>
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<tr>
<td>Sorter speed</td>
<td>up to 3 m/s</td>
<td></td>
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</tbody>
</table>

*Actual specifications are depending on system configuration and subject to change
The GENI-belt™ MD, eco-designed technology to maximize customer’s environmental performance

The commitment of Fives is to provide technologies that combine operational excellence and high environmental performance. The Engineered Sustainability® brand focuses on technologies that have been subject to:

- Life-cycle analysis of the environmental impacts,
- Systematic analysis of the impacts and means of improvement to make the best economic and environmental selections,
- Tests to prove tangible and quantifiable benefits.

Engineered Sustainability® assures customers that their investment in Fives is part of a sustainable way in their environmental strategy.

www.engineered-sustainability.com
GENI-belt™ combines experience and innovation in one product