



SIEMENS



Visicon

Efficient and reliable parcel singulation

[siemens-logistics.com](https://www.siemens-logistics.com)

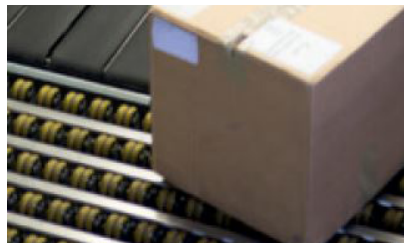
With rising parcel volumes, there is no getting around automating parcel bulk streams. Related automated processing devices such as weighing modules, scanners and sorters require that parcels are singulated, yet efficient accumulation and transport of parcels requires that they are handled in bulk. Efficient and reliable singulation become a very important step across the entire process. Siemens has developed the practical and competitive Visicon, a system that creates a continuous flow of singulated parcels ready for downstream processing steps.

Visicon converts a non-layered parcel bulk flow into a stream of singulated parcels with a gap, which are ready for individual processing or sorting.

The solution is based on a patented vision-based control system, which manipulates parcels in motion by continually adjusting the speeds of a matrix of narrow conveyor belts individually. As a result, the machine is able to propel one parcel forward more quickly than another, create gaps between parcels and gently align them in a row.

Two preconfigured models are available: Visicon Rigel and Visicon Antares. Custom designs based on the Visicon can also be optimized to individual customers and sites, with Visicon serving either one or two output streams.

Visicon boasts a high throughput with high singulation accuracy. Moreover, Visicon is space-saving and has a small footprint.



Visicon Antares



Visicon Rigel



Technical data

Visicon Rigel

Width	2,400 mm
Length	30', 9,200 mm
Height	2,300 mm
Throughput	8,000 @ 4% error
Output speed	~ 1.8 m/s

Visicon Antares

Width	2,400 mm
Length	25', 7,600 mm
Height	2,300 mm
Throughput	7,000 @ <1% error
Output speed	~ 1.8 m/s

Features

- Extremely high throughput
- High singulation accuracy
- Reliable, smooth and efficient singulator with a small footprint
- Versatile configuration
- Software-based control for flexible specification of key singulation parameters such as gap size and discharge mode
- Quick and easy installation with preassembled components
- Easy maintenance

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