

Siemens offers innovative products for efficient singulation and splitting of parcel flows

- **Visicon singulator: powerful and space-saving**
- **VarioRoute flow splitter: versatile and cost-effective**
- **Maintenance-friendly design and lower lifecycle costs**

Siemens Postal, Parcel & Airport Logistics (SPPAL) uses modern technologies to support logistics centers in efficiently managing growing parcel flows worldwide. To this end, Siemens equips customers with the powerful Visicon and VarioRoute products, which are used in many parcel sorting centers to process millions of parcels every day.

"We're delighted to be able to optimize the efficiency of our customers' sorting processes and boost their productivity with our ultramodern systems," said Michael Reichle, CEO of Siemens Postal, Parcel & Airport Logistics.

Visicon – high singulation rate, minimal space requirements

The Visicon singulator allows the three-dimensional bulk flow to be cascaded quickly and efficiently into a single layer at the start of the sorting process. The two-dimensional flow formed by the parcels which are now situated side by side is then transformed into a single-file array. Once singulated, the parcels are aligned and positioned at defined distances from one another. Cameras record the shape, size and position of each parcel throughout the entire process flow. With the real-time image information acquired, up to 12,000 parcels per hour can be conveyed efficiently to the downstream process steps, such as scanning or weighing.

To enable optimum coverage of specific customer requirements, Siemens offers the Visicon in two variants: the Visicon Polaris for large, heavy parcels and the Visicon

Capella for smaller and lighter ones. Both versions are compact, enabling logistics centers to make optimum use of their limited available space.

VarioRoute – efficient, cost-effective flow splitting

With a throughput of up to 13,000 items per hour, the VarioRoute is capable of processing parcel flows extremely flexibly. This is a reliable, purely electrical solution without pneumatics, capable of handling packages weighing between 100 grams and 50 kilos. At the heart of the VarioRoute are the roller units, pivotable by +/- 45 degrees and each equipped with its own integrated electric motor.

A particularly noteworthy feature of the VarioRoute is its modular structure which, in addition to the linear sorting concept, enables the parcel flow to be split into one or two further branches. The VarioRoute can therefore be used in multifunctional applications in a manner that optimizes the entire sorting process. With this exemplary flexibility, Siemens can serve the widest possible variety of customer requirements as efficiently as possible. In addition, the VarioRoute enables easy, cost-effective maintenance with its service-friendly design and outstanding repair times of under 30 minutes. The compact dimensions of the VarioRoute allow it to be installed in a space-saving manner.

The flow splitter is available in two tried-and-tested versions. The VarioRoute 800 is a three-way diverter conveyor that is suitable for use in most routine applications. The VarioRoute 1600 provides a two-way split of the parcel stream, for example onto two different high-speed inductions.

No matter which Siemens product our customers opt for – with Visicon and VarioRoute, they benefit from two innovative solutions capable of handling parcel flows efficiently and cost-effectively at all times.

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Siemens Postal, Parcel & Airport Logistics GmbH (SPPAL) headquartered in Constance, Germany, is a fully owned subsidiary of Siemens AG. SPPAL is a leading provider of innovative products and solutions in mail and parcel logistics and automation as well as in airport logistics with baggage and cargo handling. Software solutions and customer services along the whole product life cycle complete the portfolio. The company has an installed base in more than 60

countries worldwide. Major customers include renowned airports as well as postal and parcel service providers around the globe. Further information is available on the Internet at: www.siemens.com/logistics

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. With its publicly listed subsidiary Siemens Healthineers AG, the company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2017, which ended on September 30, 2017, Siemens generated revenue of €83.0 billion and net income of €6.2 billion. At the end of September 2017, the company had around 377,000 employees worldwide. Further information is available on the Internet at www.siemens.com.