

Powerful double filling stations for big bags

SysTec weighing terminals in use



For a new petrochemical factory in Vietnam, the intralogistics company **BEUMER** ordered a double filling station for plastic granulates from **EMDE**, using the powerful **SysTec weighing terminals type IT8000E**. In doing so, BEUMER paid particular attention to high throughput and accuracy.

The key facts

- Filling capacity: 50 tons/hour
- Scale resolution of 100 g for a filling quantity of 1000 kg
- Robust weighing electronics
- PROFINET connection
- Fast implementation of filling systems through EMDE

Products

- IT8000E: Versatile and robust SysTec weighing terminal for continuous operation
- SysTec application software *BIG BAG E* for rapid filling
- EMDE double filling system with roller conveyors for moving of big bags

Customer benefits

- High throughput with double filling stations - fast and robust weighing technology
- Fast operation via precise filling systems
- Efficient control system
- Intuitive operation for personnel
- Connection to third-party systems, e.g. to a warehouse management system as well as to a higher-level control system to which weighing data are sent for visualization in control rooms

The customer - BEUMER GROUP

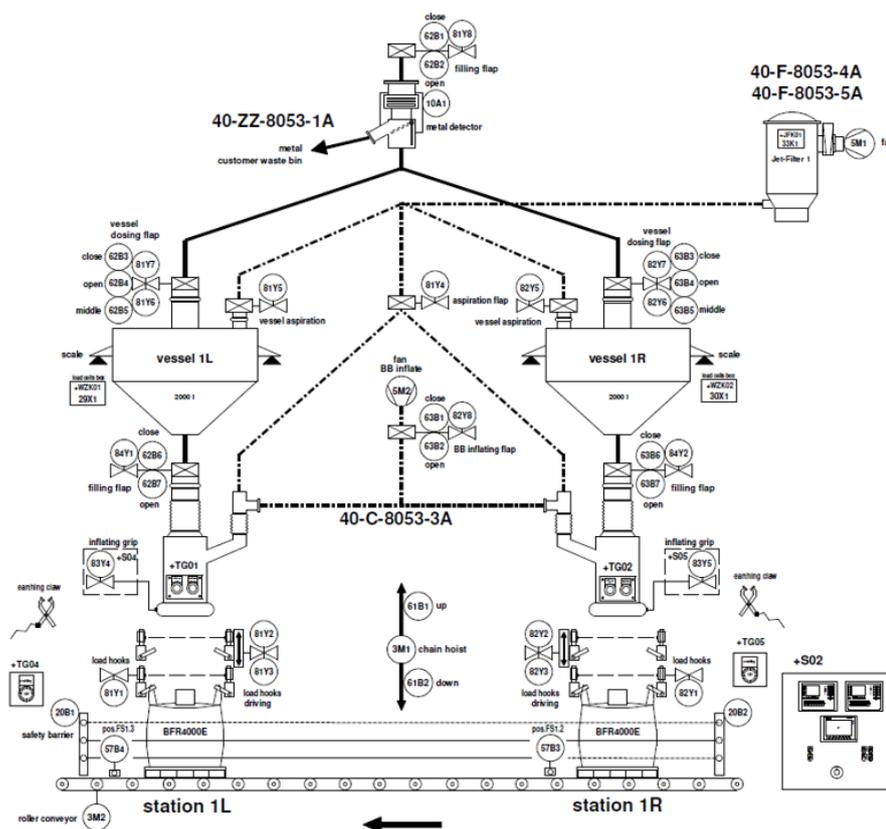
With 5100 employees in over 70 countries, BEUMER offers intralogistics solutions in the areas of conveying, loading, palletizing, packaging, sorting and distribution.

Apart from the chemical industry, BEUMER is active in sectors such as baggage handling, construction materials, mining, ports, and e-commerce.



The material: Plastic granules

In the double filling station, LLDPE (Linear Low Density Polyethylene), HDPE (High Density Polyethylene) and PP (Polypropylene) granules are weighed and filled into big bags. By melting the granules, they can be converted into numerous end-use applications such as plastic bottles, packaging foil, cable sheathing, cell phone housings and technical fibers.



Plant sketch: © EMDE

IT8000E weighing terminal with application program

- High operating convenience: simple multilingual operator prompting, bright 5.7" TFT color display with wide viewing angle and large weight display; alphanumeric keyboard
- W&M approved as non-automatic and automatic scale, (approved in EC, USA, Canada, etc.)
- Universal use: Numerous standard application programs
- Custom-specific adaptations: Free programmability
- Robust: Stainless steel housing (protection class IP69K)
- Ex-area: For hazardous areas SysTec offers the version IT8000E Ex2/22 and for zones 1/21 the version IT8000Ex
- Several housing options: Wall-mount / desk-top version as well as version for panel-mount installation
- Numerous interfacing options: 2 internal and up to 6 external scale connections, can be integrated into PC networks via Ethernet or WLAN, connection to label & network printer, PLC connection via fieldbus
- High operational security: Powerfail-safe data storage, password protection, battery-backed real-time clock, remote diagnosis via internet possible



Plant photo:: © EMDE



IT8000E weighing terminal with application program *BIG BAG E*



Plant photo: © EMDE



“Due to the easy integration into our systems and thanks to the intuitive handling by the plant operators, the W&M approved and internationally certified SysTec weighing terminals are very well suited for our worldwide projects.”

Erik Seidel, Project Manager, EMDE

Further information



SysTec Systemtechnik und Industrieautomation GmbH

Since 1994 SysTec has been developing and producing W&M approved industrial weighing indicators and filling controllers for static and dynamic scales.

More than 150,000 installations are successfully in use worldwide. The innovative SysTec weighing systems work reliably in numerous applications: These include filling systems for liquids and bulk materials, shipping / receiving scales, beltweighers, vehicle scales, checkweighers, piece counting scales, mobile weighing systems and all kinds of customer-specific applications. In addition to standard products, SysTec also offers customer-specific system solutions and custom-made hardware and software. Comprehensive technical advice completes the range of services.

The production and development site for SysTec weighing terminals and software solutions is Germany. The company is located in Bergheim-Glessen, near Cologne. The production of the weighing terminals and software is subject to international OIML standards.

Discover more: www.systemecnet.com



EMDE Group

In 40 years of company history, EMDE has consistently advanced. From a component manufacturer, e.g. for flexible screw feeders, to a plant manufacturer for IBC filling stations. Then from plant manufacturer to solution specialist for technologically sophisticated systems. Since then, the demands of the EMDE Group have also grown through experience.

As an innovative systems integrator and engineering company, EMDE develops customized plants and components for conveying, dosing, mixing, filling and discharging of bulk materials. In doing so, EMDE sees it as its task to further develop the production concept together with its customers - to implement it in an economical, future-proof and networked manner in order to provide customers with the competitive edge in their relevant market.

The EMDE Group also includes the company EMDE MouldTec, which produces molds for silicone processing (LSR - liquid silicone rubber).

Discover more: www.emde.de