

# Case story - AkzoNobel Salt

Reliable accuracy

Precision in every gram, reliability in every process. Jesma Weighing Solutions – where accuracy meets innovation.





# AkzoNobel Salt - Weighing from production to packing

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AkzoNobel Salt originally contacted Jesma with one solution in mind, however close dialogue between AkzoNobel Salt and Jesma meant that Jesma was able to tailor the most optimal solution in accordance with AkzoNobel Salt's needs and wishes.

AkzoNobel Salt is Scandinavia's only salt producer, working with two production lines for salt. The company had a few focus points for the requirements for the weighing equipment:

- They need to be able to fit in the intended build-in-space, which was limited.
- One of the lines requires frequently cleaning as the product is specifically intended for the pharmaceutical/medical industry, hence the equipment should be easily cleanable.

What Jesma and AkzoNobel Salt agreed on were to implement insertable belt feeder solutions on the four conveyor belts, the salt was transported on. As well as smaller intake-out loading scales; JesIntake for 2-5 t/h in each of the two production lines. Using what's already there

Siemens equipment were already being used in the factory, so the Jesma control equipment was integrated with the Siemens' Siwarex. Going through an approval process with the JesIntake weighers, knowledge and understanding of the procedures are very necessary – And this is something Jesma has in spades; knowledge and understanding!

Jesma has supplied approved weighing equipment for many years and will for many years to come!





## In general about Jesma intake-outloading scales

The Jesma programme of intake-out loading scales is specially designed for in-line weighing of bulk materials such as powders and granulates with focus on operational reliability and accuracy.

The JesIntake® is a suitable for handling high flow rates, and is available with accuracies better than 0,1%. Based on the high accuracy and optimum reliability the scale is available in trade approved versions according to the MID directive OIML R107 and R61, Class 0.2 and 0.5.

### In standard versions the JesIntake® is supplied with the following components:

- Pre-bin with pneumatically operated outlet slides and inductive switches
- Pre-bin with flanged connection for feeding system
- Weigh bin with fully electronic weighing system and pneumatically operated outlet slides
- Depending on size the weigh bin is suspended in 2 or 3 load cells with vibration dampers
- Dust covered weigh bin and pre-bin and removable covers, with rubber sealing, to allow easy access for service and maintenance
- Connection branch for aspiration
- Electrical and air connection placed on the inside of the frame
- Incl. solenoid valves and fittings, mounted in a connection box.

## In general about Jesma insertable belt scales

The Jesma range of belt scales is among the widest on the market today, and with a clear strategy of supplying only fully tested equipment with market leading reliability, Jesma is able to supply belt scales that accommodate any requirement for a wide range of industries.

With information such as required accuracy, belt speed, belt type, trough angle, belt inclination and product characteristics, supported by the extensive experience and know-how, Jesma not only supply equipment which is trustworthy and reliable today – Our aim is to supply equipment which is trustworthy, accurate and reliable also for future demands.

Type	VIB/ESS	VIB/EER
Benefits	Easy to instal Maintenance-free bearings Insensitive towards side forces and uneven load Project design to fit existing conveyors	
Approvals	Class 1 and 2 according to MID OIML R50	Class 0.5, 1 and 2 according to MID OIML R50
Accuracy*	± 0.5%	± 0.25%
Capacity range	5.0 - 2000 t/h	10 - 2000 t/h
ATEX option	Zone 21+22	
Belt width	450 - 1400 mm	450 - 2500 mm
Construction	St. 37, AISI 304 or hot galvanized	
Options	Flat belts, V-shaped or trough-shaped	



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