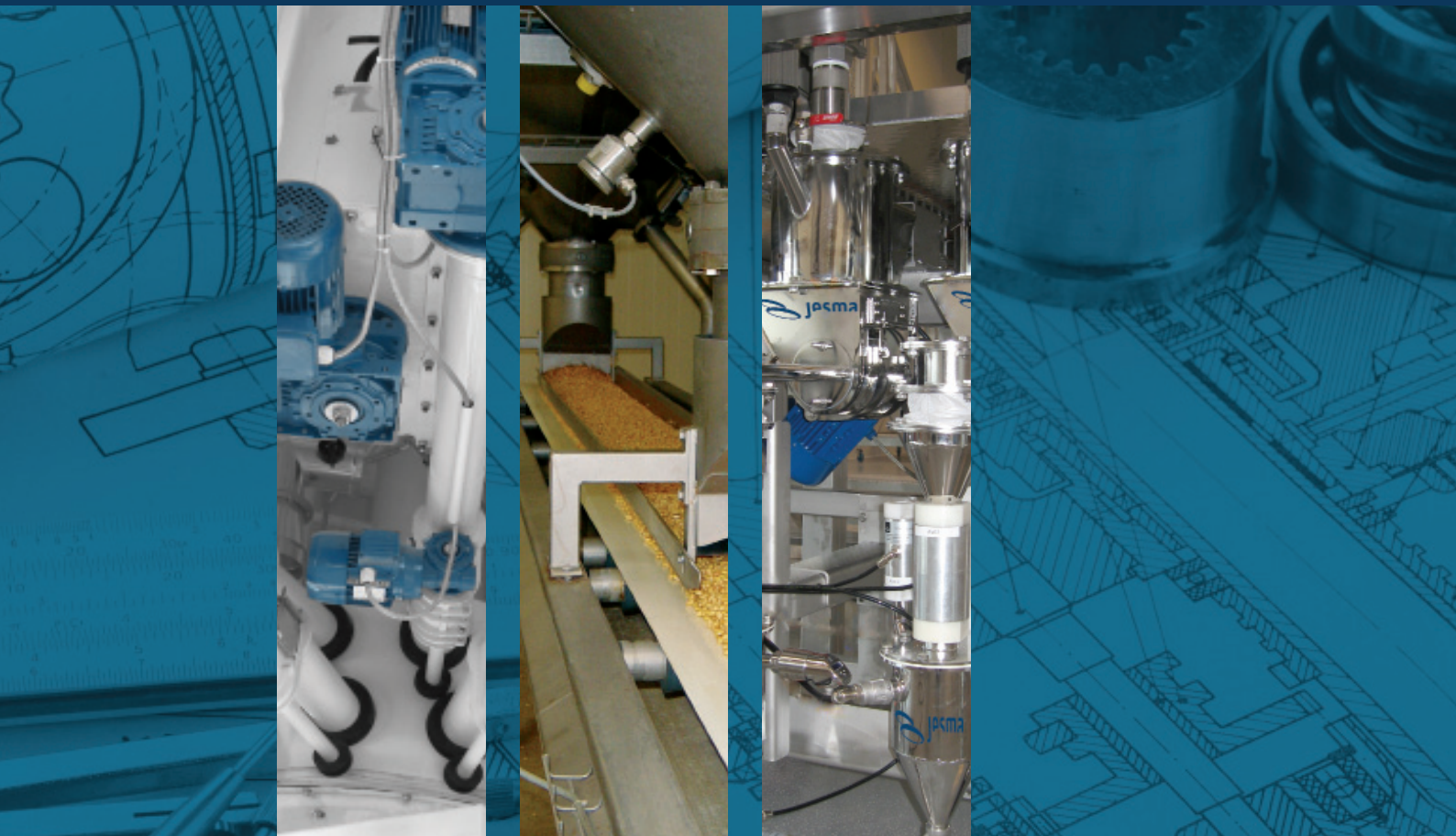


# Case story Eurobaltic

Advanced weighers and weighing systems for static, dynamic and continuous weighing





# Eurobaltic

## Approved weighing of edible fish...

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At Eurobaltic in Rügen Germany, they wished to weigh edible herrings directly from the cutter and subsequently invoice the amount weighed. Eurobaltic required a weighing accuracy of +/-0.5%. As the fish came directly from the cutter, it was also very important that the amount of water weighed with the fish, was reduced considerably. It was important that Eurobaltic could monitor how many kg were sent into the factory. Furthermore, the weight control had to send a signal to the overall control system through Profibus.

The weigher was to be approved according to the existing regulations for purchase and sale, and as to OIML R-50 and PTB (the German national metrology institute for scientific and technical services). Eurobaltic urged Jesma to lead the dialogue with the German metrology institute in Rostock "Eichamt Rostock", so that the running-in and the approval of the weigher was controlled by Jesma technicians.

Jesma suggested implementing a Jesbelt A weigh feeder. To avoid weighing too much water together with the fish, a draining belt was inserted, where the water could be drained before the actual weighing. The weigher was connected to a 1.5 m long display, which was mounted on the quay where the cutters called in. The Jesma WC9604 weighing computer made it possible for Eurobaltic - via Profibus - to get access to all the weighing data from the weighing computer.

## Running-in and approval

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The Jesma technicians took part in the setup of the belt and the weigh feeder in Germany. Upon implementation of the weigh feeder, the local metrology institute in Rostock was called in to approve the feeder. The cooperation between Eurobaltic, the metrology institute and Jesma was a success, and the weigher was approved in the first testing process.

## Director Anton van der Plas declares:

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*"We have been very pleased with both the weigher and the running-in. The co-operation with Jesma has from the first stage to the implementation of the system been very satisfactory to us. We chose Jesma as our co-operation partner because we value high expertise and know-how within the specific area."*

*Director Anton van der Plas  
Eurobaltic in Rügen, Germany*



# RELIABLE ACCURACY

## In general about the Jesbelt A weigh feeder

The reliable and accurate weigh feeder JesBelt A is the result of many years of experience. Based on several hundreds of supplied weigh feeders, the JesBelt A represents the optimum technical solution within weigh feeders.

Through careful design and a thorough selection of parts the JesBelt A provide excellent reliability and optimum lifetime.

With the unrivalled flexible design the JesBelt A is suitable for a wide range of process industries where high accuracy and linearity form the basis of an efficient production line,

The Jesbelt A weigh feeder is built around an isolated weigh bridge with 4 pcs load cells and an automatic belt tension. This technical design creates excellent stability, accuracy and linearity in the operation of the weigh feeder - Benefits which are supported by the possibility to approve the JesBelt A according to the EU directives OIML R50, Welmec and MID for purchase and sales.

The Jesbelt A is equipped with a high signal rate incremental encoder (Tacho). The Tacho is mounted to the idle drum of the conveyor, thus continuously monitoring the speed of the belt and alarming the operator by the slightest irregularity in the operation of the weigh feeder.

The conveyor belt is fitted with plough shaped scraper on the inside of the belt. The scraper ensure that any adhesive material is removed from the belt thus not influencing the weighing accuracy.

The JesBelt A is available in range of standard sizes manufactured from coated steel, stainless steel AISI 304, or in a combination with product wetted parts in stainless steel.

Beside the wide standard range, the JesBelt A is also available as project designed equipment for any requirement.

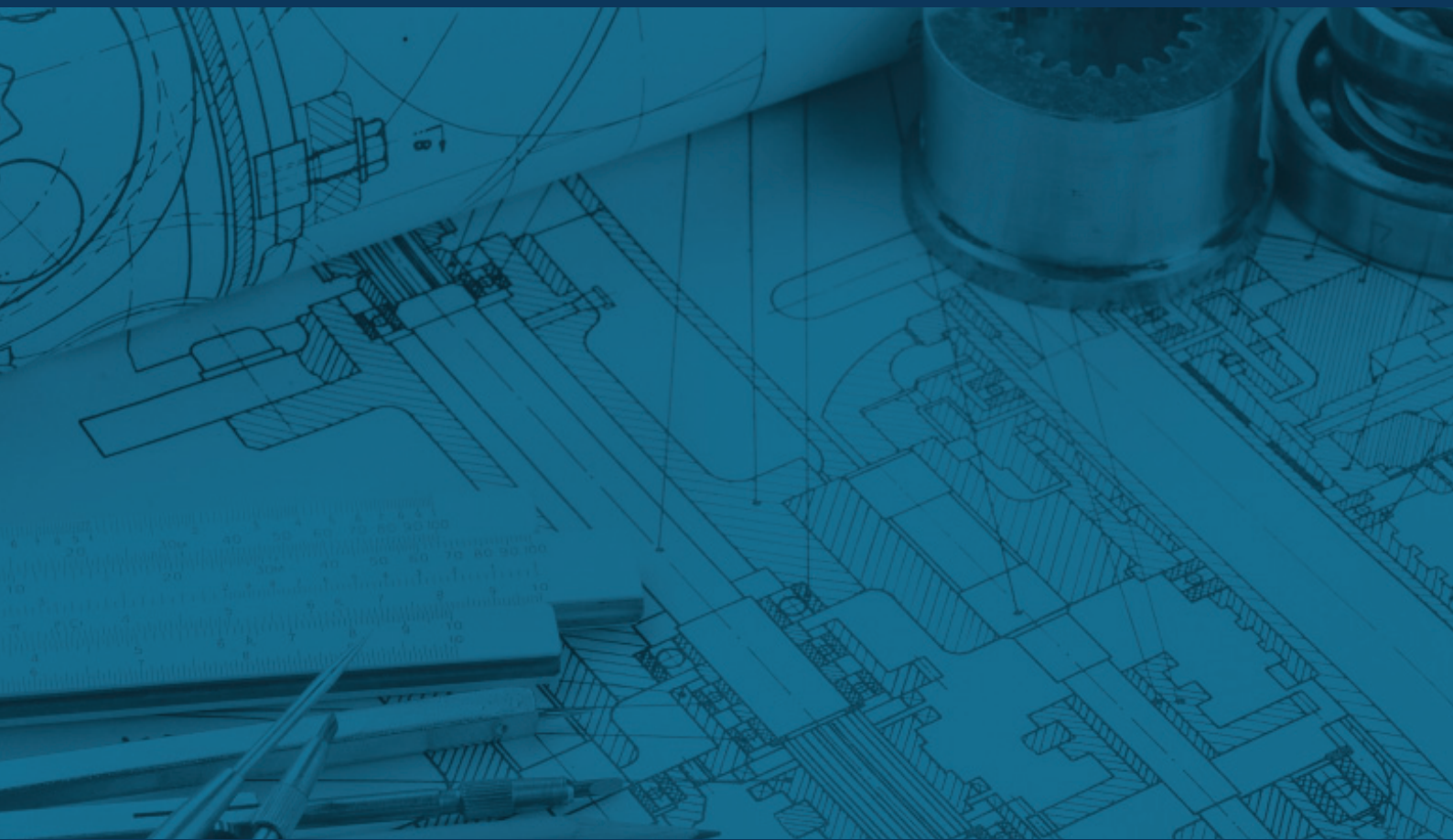
A wide range of accessories are available for an individual design of the weigh feeder:

- Flexible rim to eliminate product spill.
- Dust cover including outside scraper of the belt, flanged inlet and outlet and dust extraction connection
- Dust tray for manual emptying
- Dust tray with emptying conveyor
- Scrapers for adhesive and sticky products
- Inlet funnel with damper for regulation of product flow
- Outlet funnel
- Belt tracking switches
- Automatic belt alignment JesTrack®
- Emergency stop with wire
- ATEX compliant components for zone 21+22 and 1+2

General conditions of the JesBelt A:

- Accuracy from 0,25% (Subject to final design and product characteristics)
- Max. Capacity: 1000 m<sup>3</sup>/h
- Ambient temperature for approved versions: -10°C...+40°C



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