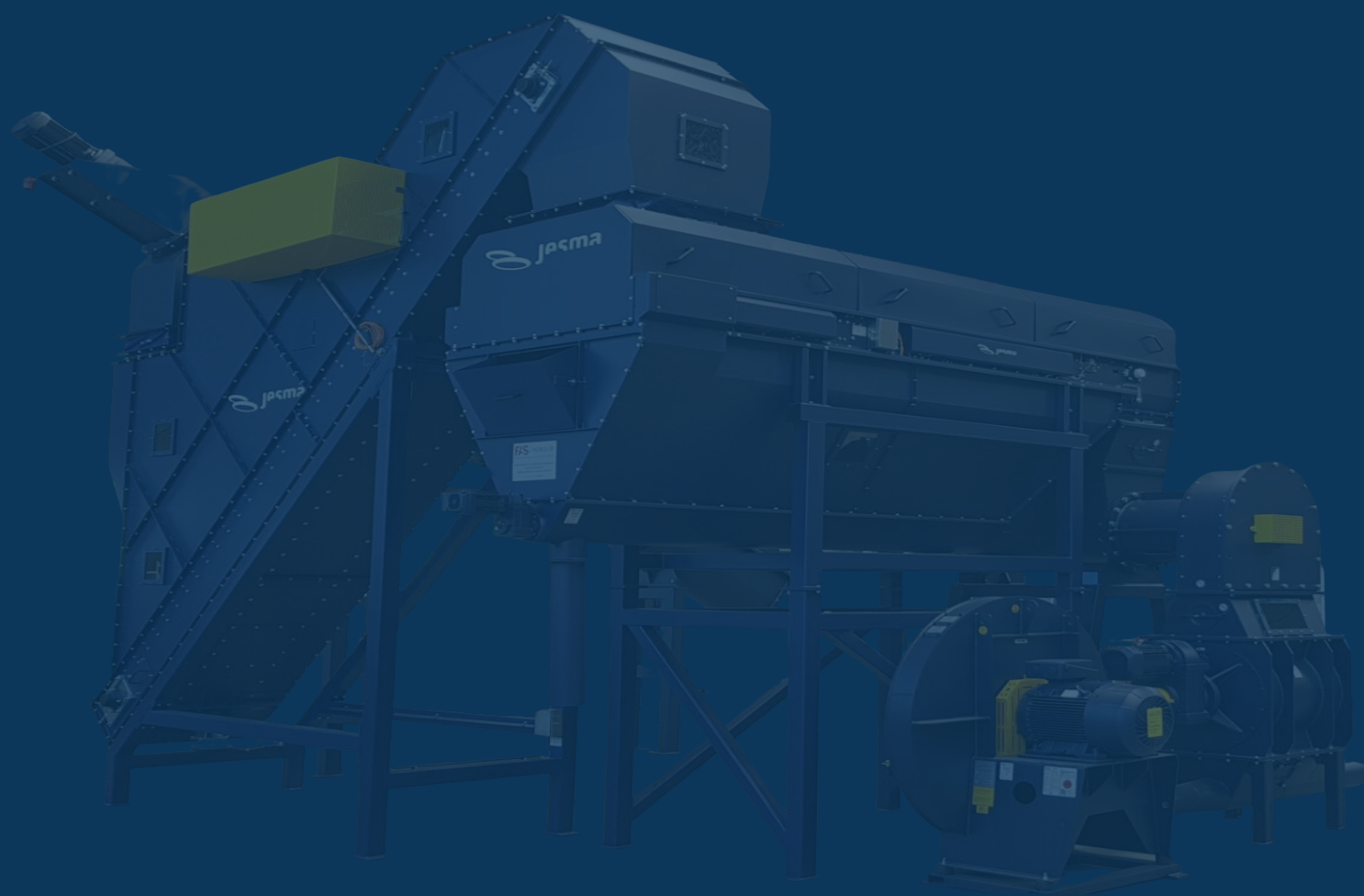




# JesBuffer

Reliable accuracy



Advanced weighing and dosing systems for static, dynamic, and continuous weighing.

**Jesma**<sup>®</sup>  
weighing solutions

# JesBuffer

## Weighing and dosing of low density products

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Jesma has developed a dosing feeder system for regulation and dosing of an even flow of very light materials (density from 20 kg/m<sup>3</sup>) like straw, paper, different types of carved fibres, alternative fuels, mineral wool fibres etc.

The weighing system consists of a dosing feeder with a pre-bin and a weigh feeder type JesBelt A. The weigh feeder receives the material from the pre-bin (buffer), which by means of an adjustable drum secures that the material flow to the weigh feeder is executed with a fixed layer thickness.

The level in the buffer is held constant via speed regulation of the feeding device. The buffer is able to handle a variation of a volume up to 1 m<sup>3</sup> and at the same time maintaining a constant layer thickness on the weigh feeder.

The system setup is checked directly from a PLC, which has Profibus protocol or analog connections. This means that the weighing system can be integrated in the customer's superior control system.

Another possibility is a complete Jesma MCC/OCC control unit according to the specific setup on the next page, containing:

- 2 pcs. Weight control 9604 units
- Complete control cabinet incl. relays, frequency converters
- HMI front panel
- Control of unit in the customer's control system via Profibus or ethernet.

### Construction - dosing feeder (VSB)

The dosing feeder is carried out with automatic regulation of the material flow. This is possible by adjusting the position of the scraper drum by means of a cylinder on the side of the dosing feeder and further by regulating the speed of the belt.

The dosing belt is executed with carriers to secure that the material flow to the weigh feeder is carried out with a constant layer thickness. Depending on the material, the carriers are available in different types.

### Construction - weigh feeder (JesBelt A)

The JesBelt A weigh feeder is carried out for continuous weighing of a given material transported on a belt or for regulation of a specific material flow.

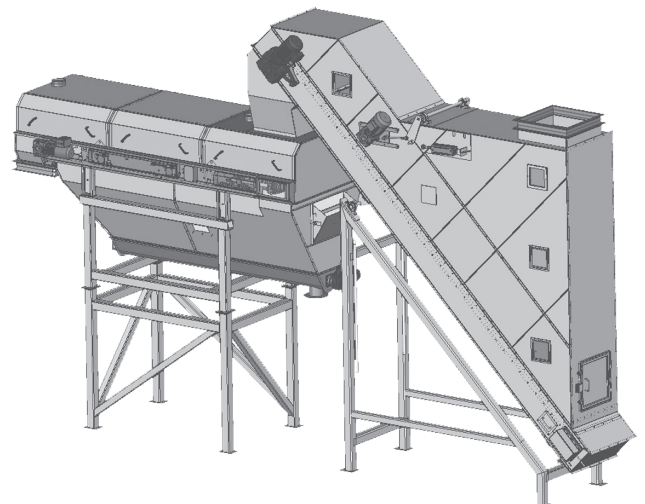
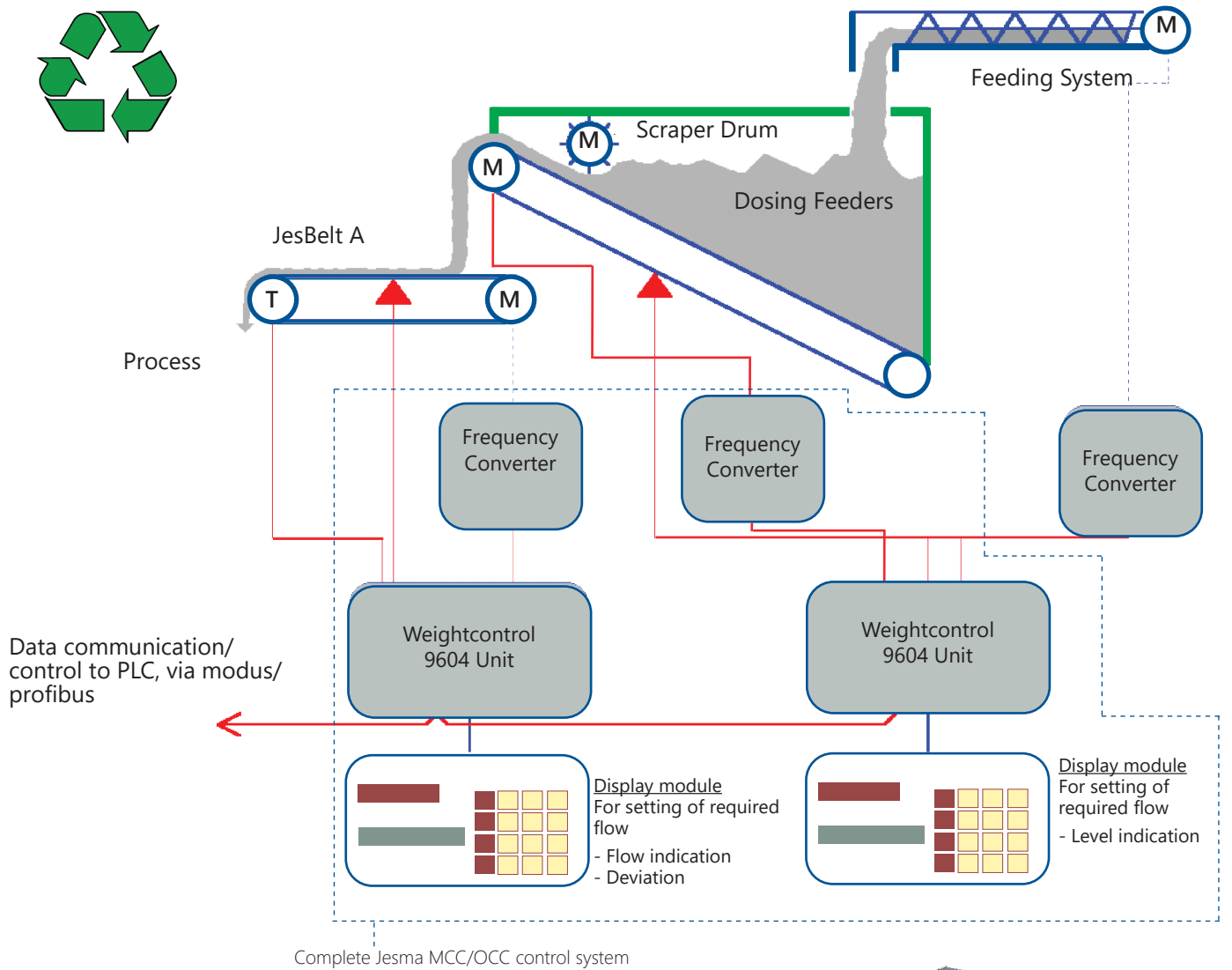
The JesBelt A weigh feeder is a suitable solution for many different applications, where a weighing function is required to be built-in.

With high accuracies the weigh feeder operates with various types of light materials.

The weigh feeder is built-in on an inserted weighbridge with 4 pcs. load cells, securing optimum stability and accuracy in the efficiency of the weigher. The JesBelt A weigh feeder is carried out with an incremental encoder/tacho monitoring the speed on the belt. Furthermore the weigh feeder is with automatic belt tightening.

To control the weighing process a Jesma Weight control 9604 unit is used, particularly developed for continuous weighing processes.

# Principle diagram for a JesBuffer - VSB/JesBelt A





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