

Coating Drum.

DFSC

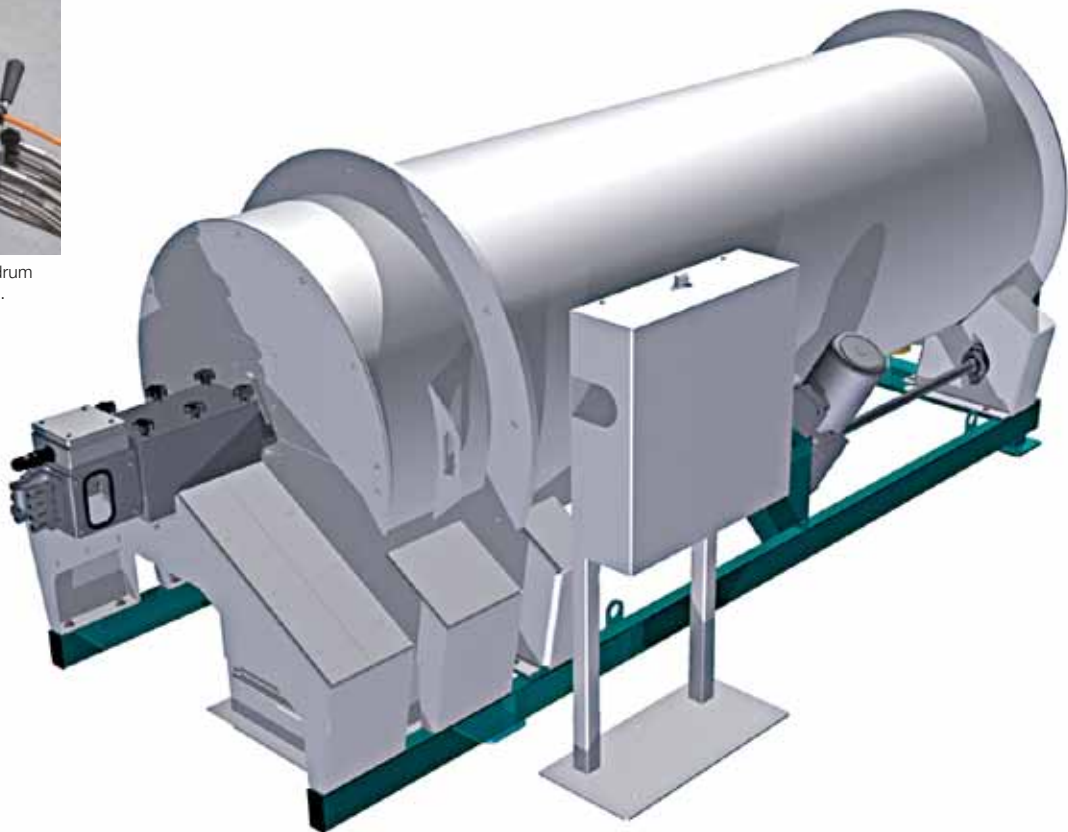


DFSC coating drum.

Efficient upgrading of feeds.



Multiple coupling for fast drum maintenance and cleaning.



Increasing quality and sales revenue

Upgrading of feed pellets, aquafeeds, and petfoods by coating them with fats and oils, colorants and flavorings, vitamins and enzymes enables you to offer your products in a higher quality grade and therefore at higher prices. You can thus expand your range of premium products, enter new customer circles, and generate higher margins.

Uniform coating through high-precision control

The Bühler coating drum enables you to simultaneously coat and thus upgrade your products with up to three different liquids – with a liquids addition rate of max. 8 percent of the product throughput.

The product is continuously fed through the inlet into the coating drum, gently turned over by the flights in the rotating drum, and – thanks to the adjustable drum inclination – conveyed to the outlet. At the same time,

oils, fats, and micro-additives are uniformly sprayed onto the product through a spray pipe.

The throughput of the coating drum depends on the size and inclination of the drum. The quantity of liquid sprayed onto the product is varied by the control system as a function of the pellet throughput. Design versions of mild steel or high-grade stainless steel plus two sizes for throughputs up to 30 t / h and 50 t / h offer you a wide range of choices.

The benefits of the coating drum at a glance:

- Top sanitation standard thanks to special spray pipe design
- Easy maintenance thanks to multiple coupling
- Flexible application with up to 3 liquids

Greater product variety, lower maintenance. Clean, reliable, flexible.

Maximum sanitation thanks to special spray pipe design

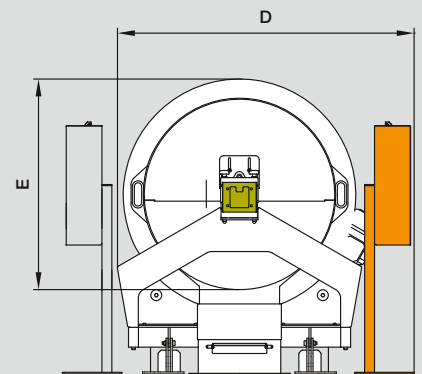
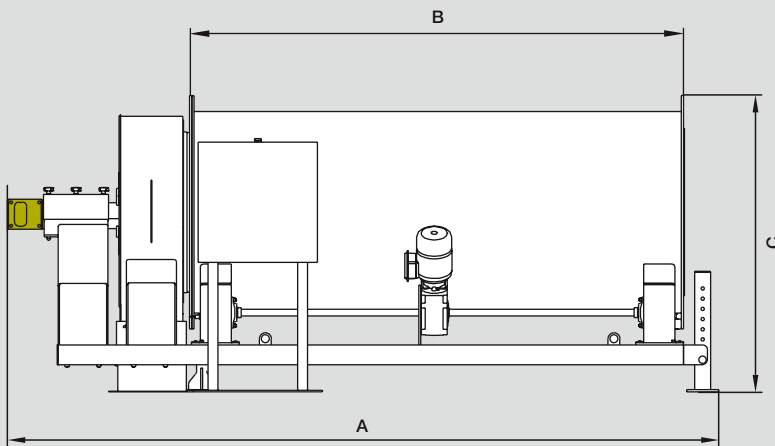
In order to ensure top sanitation standards, the spray pipe has been developed with a reduced bearing face and recessed nozzles. This reduces product deposits and minimizes the risk of contamination. Top cleanliness is also ensured upon completion of the coating process and when changing products: The main line is cleaned by compressed air, and undesirable trickling-off of liquid into the drum is effectively prevented. The outlet housing of the coating drum is sealed leak-proof. The downstream aspiration system prevents spray mist from reaching the environment.

Easy maintenance and cleaning thanks to multiple coupling

The clamp fasteners and the low weight of 20 kg of the spray pipe allow the pipe to be quickly and easily installed and removed by a single person. The convenient multiple coupling ensures fast disconnection and connection of the liquids supply line from the spray pipe and facilitates cleaning of the drum. Stop valves on the liquids supply line and the multiple coupling prevent the liquid from trickling off after disconnection. The low-maintenance design perceptibly reduces expensive downtimes.

Flexible application with up to 3 liquids

Spray pipe with 8 or 10 nozzles are available for the coating drum. This allows up to three different liquids to be simultaneously sprayed onto the product. The spray pipe can be retrofitted from one to two or three liquids.



■ = Multiple coupling
■ = Terminal box, can be installed as required on the right or left of the drum

Dimensions and weights of the drum sizes

Model	Dimensions in mm					Weight in kg		1 liquid	2 liquids	3 liquids
	A	B	C	D	E	Unpackaged	Packaged			
DFSC-30	3660	2480	1480	1530	1170	1350	1550	8 nozzles	7 oil/fat nozzles + 1 micro-additive nozzle	6 oil/fat nozzles + 2 micro-additive nozzles
DFSC-50	5130	3500	2100	2140	1640	2050	2350	10 nozzles	9 oil/fat nozzles + 1 micro-additive nozzle	8 oil/fat nozzles + 2 micro-additive nozzles

Possible spray pipe configurations

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