

Micro feeder RotoTube 2.0

Volumetric and gravimetric

General Information

The [RotoTube](#) screw feeder is capable of reliably feeding granules as well as fine-grained bulk ingredients in the gram range.

The feeder has the following main components: a freestanding chassis/weighing system combination, an aluminum housing, a rotary tube, a [DC smart motor](#) and an extension hopper for storing bulk material.

The RotoTube is easily disassembled for wet or dry cleaning, whereby the hopper is detached from the fixed housing by means of quick-release fasteners and pulled off. The RotoTube is equipped with a tilting device for stepless tilting of the rotary tube to adjust the output as required.

The gravimetric version includes the [weighing system MD0](#) featuring a high resolution digital load cell with serial data transmission with a strain gauge load cell with advanced filtering technology.

The unit conforms to CE directives.



Model Specification

Screw drive	DC smart motor
Drive power	0.18 kW (0.24 HP)
Tube speed	67 min ⁻¹

Control Modules

Control and speed modules are offered either mounted onto the feeder ([Congrav® CM-E](#)) or are available for mounting in a separate control panel ([Congrav® CB-E](#) or [Congrav® CB-S](#)).

Controls can communicate directly to most host/ PLC systems or to Brabender Technologie Congrav® Operator Interfaces.

Feeder tips and feeding capacities

The selection of the feeder tips and the determination of the feeding capacity is carried out product-specifically in the technical center of Brabender Technologie.



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Technical Drawings and Dimensions

	volumetric feeders	gravimetric feeders	
		Control module CB	Control module CM
Hopper 1.5 dm ³ (0.05 cuft)	RT-2.0-1,5	DDW-MD0-RT-2.0-1,5	DDW-MD0-RT-2.0-1,5 CM
Hopper 3,0 dm ³ (0.11 cuft)	RT-2.0-3	DDW-MD0-RT-2.0-3	DDW-MD0-RT-2.0-3 CM

Technical Specification

Ambient temperature:	0°C to +45°C (32°F to 113°F)
Humidity of the air:	up to 85% without condensation
Ingredient temperature:	0°C to +60°C* (32°F to 140 °F)
Max. bulk density (volumetric):	1.5 kg/dm ³ (96 lb/cuft)
Max. bulk density (with MD0)	1.5 kg/dm ³ (96 lb/cuft) with hopper 1,5 dm ³ (0.05 cuft) 0.75 kg/dm ³ (46.8 lb/cuft) with hopper 3 dm ³ (0.11 cuft)
Screw trough, extension hopper, hopper lid:	Aluminium, 1.4301
Feeder tip	1.4301/1.4404
Non-contact components:	Aluminum, plated or painted steel (RAL 7035)
Extension hopper:	Hopper lid manual refilling
Screw drive:	0.18 kW (0.24 HP) , IP65
Power supply:	100-240 V , 50-60 Hz (1/N/PE AC) **
Net weighing range MD0:	3.1 kg (6.8 lb) with hopper 1,5 dm ³ (0.05 cuft) 2.3 kg (5.1 lb) with hopper 3 dm ³ (0.11 cuft)
* other values upon request	** Operation on TT networks, TN networks or networks with earthed neutral. For different networks adaptation measures are necessary.

Options and Accessories

- Replacement tips
- Explosion-proof versions as per directive 2014/34/EU (ATEX)
- Wind protection (polycarbonate, transparent) for stabilization of wind and draught
- [Maintenance disconnect box](#), [pluggable version](#)
- [Ground plate](#)
- Cleaning and filling systems upon requests

