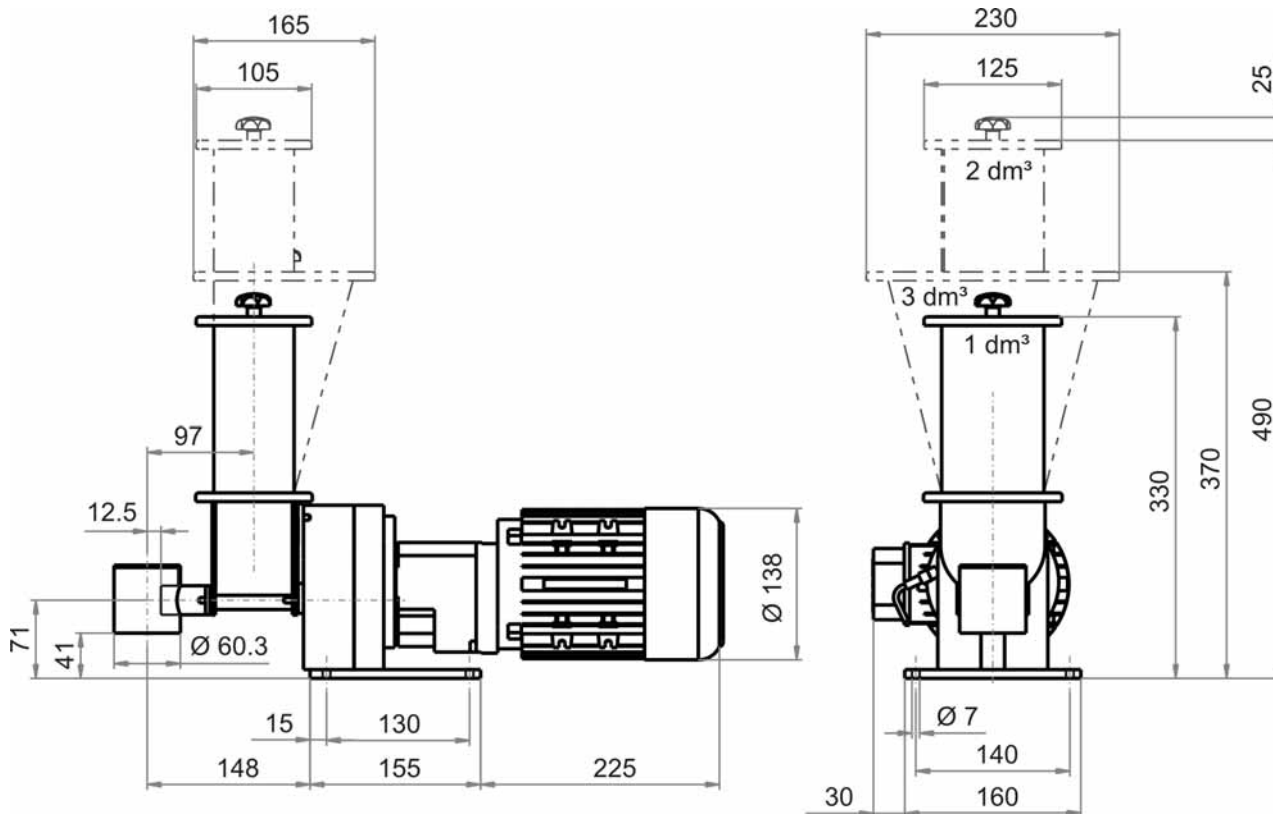
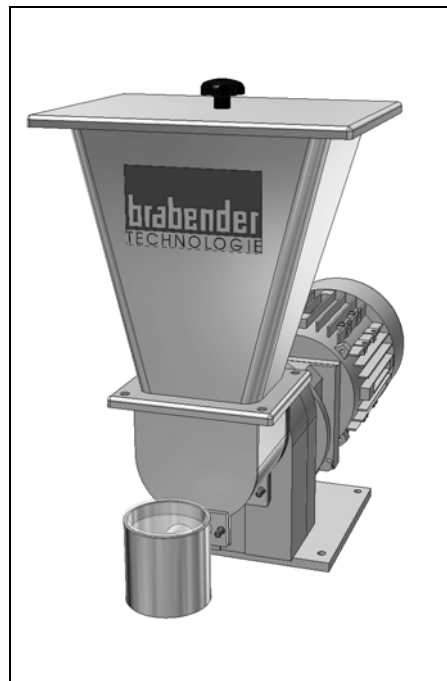


Brabender MiniTwin Feeder Type MT

The Brabender MiniTwin Feeder from the Brabender Lab Line is one of the smallest twin-screw feeders in the world and feeds powders at minimum feed rates down to 50 g/hr. This is made possible by its screw profiles of no more than 12 mm in diameter. Especially when fine powders are fed at ultra-low rates, the self-cleaning twin concave screws offer particularly brilliant dispense without pulsations. Depending on refill method, feed rate and storage requirements, the Brabender MiniTwin Feeder can be combined with an extension hopper of 1 dm³, 2 dm³ or 3 dm³ volume. Each hopper is equipped with a safety grid. The Brabender MiniTwin Feeder is available both as a stand-alone volumetric unit or, combined with the digital Brabender scale module DigiMASS-2

with two vibrating wires, as a high-tech loss-in-weight feeder in laboratory size for gravimetric feeding (see Brabender Works Standard "Brabender Loss-in-Weight Scale Type DDW-MD1-MT with Brabender MiniTwin Feeder"). All parts in touch with the ingredient are made of stainless steel. The unit conforms to CE standard.



Weight with 1 dm³ extension hopper approx. 12 kg, 2 dm³ hopper approx. 12.5 kg, 3 dm³ hopper approx. 13 kg

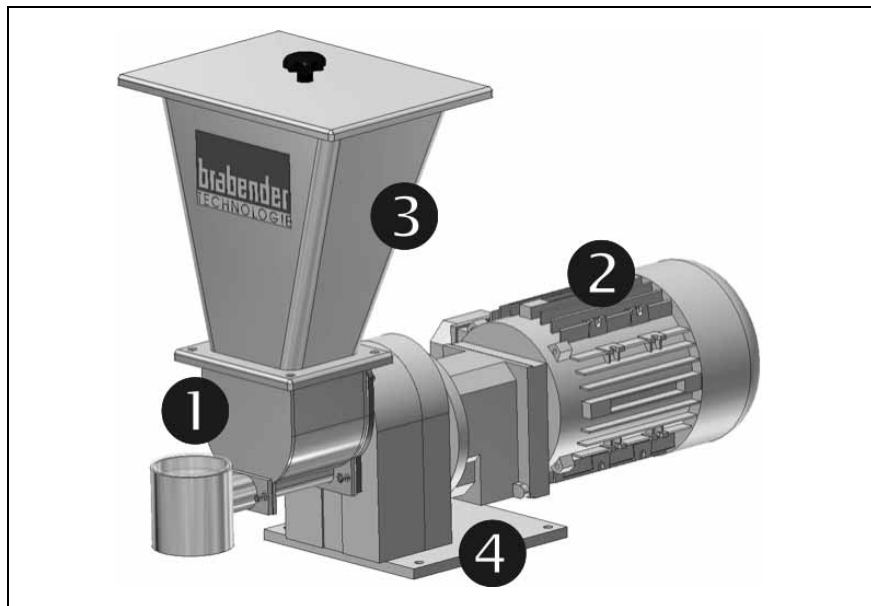
Technical Data*

Available Screw Sizes and Feed Rates

Screw Type Ø mm x p mm	Tube Designation	Tube Dia. mm	Speed r.p.m.	Max. feed Rate dm ³ /hr*
Twin Concave Screw TC 12/04	130 T	16 x 1.5	200 (107**) / 100 Hz	1.8 (1,0**)
TC 12/12	130 T	16 x 1.5	200 (107**) / 100 Hz	8.0 (4,3**)

* The max. feed rates mentioned above are theoretical values based on a screw filling level and a motor speed of 100 % each. Depending on the ingredient flow characteristics the screw filling level may decrease down to 50 %.

** Values in brackets refer to feeders with optional 23 r.p.m. drive motors



Materials

- Ingredient-touched parts SS 1.4301
≈ AISI 304 (twin concave screws
SS 1.4305 ≈ AISI 303)

Accessories / Options

- Exchange screw
- Motor with lower output speed
- Downspout at screw tube end
- Hopper cover with handle
- Gravimetric version as loss-in-weight feeder with digital scale module DigiMASS-2 (see Works Standard "Brabender loss-in-weight scale DDW-MD1-MT-1(2)[3] with Brabender MiniTwin Feeder")

Component Groups

- ❶ Twin-screw feed module with trough agitator
- ❷ Maintenance-free three-phase current motor
- ❸ Extension hopper 1, 2 or 3 dm³ incl. safety grid
- ❹ Aluminum base plate

Drive Motor

- Three-phase current motor (screw and agitator drive):
- Wattage: 0.09 kW
 - Voltage: 230/400 V
 - Speed: 43 (optional 23) r.p.m.
 - Enclosure protection IP 55
 - Insulation class F

Speed Controller

Frequency converter FC-B1 or FC-V1.1 (see Works Standard "Brabender Speed Controller Type FC-B1" respectively "Brabender Speed Controllers FC-V1.1-FC-V7.1" for continuously controlled metering feeders)

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TECHNOLOGIE

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