



# PRODUCTS

OVERVIEW BROCHURE

## > YOUR SPECIALIST FOR FEEDING, WEIGHING AND DISCHARGING



Since its founding in Duisburg, Germany, in 1957, Brabender Technologie has been working with bulk ingredient feeding, weighing, discharging and flow metering. Through decades of experience and thousands of tests we have gained knowledge and have become one of the world's leading feeder suppliers. With regional headquarters in Germany, North America, Russia, Dubai, China and India and a worldwide sales, consulting, service and spare parts network the business today operates as an international group with the highest quality standards.

# > FEEDING





## IT'S ACCURACY THAT MATTERS

To ensure excellent quality of the final product, bulk ingredient metering requires maximum accuracy. Therefore metering feeders are needed that are best suited to the particular ingredients used so that reliable continuous ingredient flow and metering without malfunction are ensured at any time.

According to the motto "For every bulk ingredient the right solution" Brabender Technologie offers a comprehensive product line of different loss-in-weight feeders and weigh-belt feeders for the entire range of bulk ingredients from

powders to coarse-grained ingredients and from fibers to flakes. The robust construction and a highly sensitive weighing technology provide high accuracy and reliable operation even under tough production conditions.

Our feeders are designed for universal use but can still be modified to our customers' particular needs. As a result, metering feeders from Brabender Technologie are capable of feeding any conceivable bulk ingredient. For less demanding metering requirements we also offer most feeders as volumetric versions without scales.

# > FEEDING

With the brands V-FEED and G-FEED we offer you different volumetric and gravimetric feeders for your bulk ingredients. Thanks to modern technology and high-end manufacturing our equipment provides optimum performance. All feeders are designed for a wide range of applications and bulk ingredients but can also be modified allowing you to quickly react to changes in the market.

**V FEED**



**G FEED**



Paddle-massaged PUR hopper:  
loss-in-weight FlexWall®Plus feeder



Paddle-massaged PUR hopper:  
loss-in-weight FlexWall®Classic feeder



Stirring agitator technology:  
loss-in-weight single screw feeder



Stirring agitator technology:  
loss-in-weight twin screw feeder



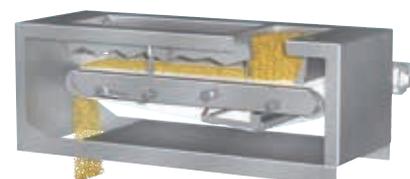
Vibration technology:  
loss-in-weight vibrating tray feeder



Vibration technology:  
loss-in-weight DualTray feeder



Liquid feeding:  
loss-in-weight feeder with variable speed metering pump



Dynamic belt weighing:  
weigh-belt feeder for high feed rates

Gravimetric Feeders	Volumetric Feeders
Loss-in-weight FlexWall®Plus feeder	FlexWall®Plus feeder
Loss-in-weight FlexWall®Classic feeder	FlexWall®Classic feeder
Loss-in-weight single screw feeder with stirring agitator	Single screw feeder with stirring agitator
Loss-in-weight twin screw feeder with stirring agitator	Twin screw feeder with stirring agitator
Loss-in-weight vibrating tray feeder	
Loss-in-weight DualTray feeder	DualTray feeder
Loss-in-weight feeder for liquids	
Weigh-belt feeder	

# >WEIGHING





## HIGH-ACCURACY WEIGH-BATCHING

Irrespective of what industry our customers come from: accuracy is essential to all weigh-batching applications. Batching accuracy cannot be achieved without high-tech components such as high-resolution load cells and intelligent controls with sophisticated software for fully automatic recipe-driven weigh-batching at high accuracy without failure.

From our MicroBatch scale up to our fully automatic multiple ingredient batch systems:

Brabender Technologie offers a variety of systems for small to large single or multiple ingredient batches. Our customers profit from our expert advice and from our know how, acquired over many decades. Thanks to this experience we have many batching systems for a wide range of bulk ingredients with different characteristics. However, they can still be further modified to customers' particular needs – for optimum and highly accurate weigh-batching.

# > WEIGHING

For automatic and accurate single and multiple ingredient weigh-batching Brabender Technologie offers a variety of solutions under the brands S-BATCH and M-BATCH, including loss-in-weight feeders, gain-in-weight systems and weigh-belt feeders. Thanks to their intelligent controls, our systems offer optimum performance also in discontinuous weigh-batching processes.

**S**BATCH

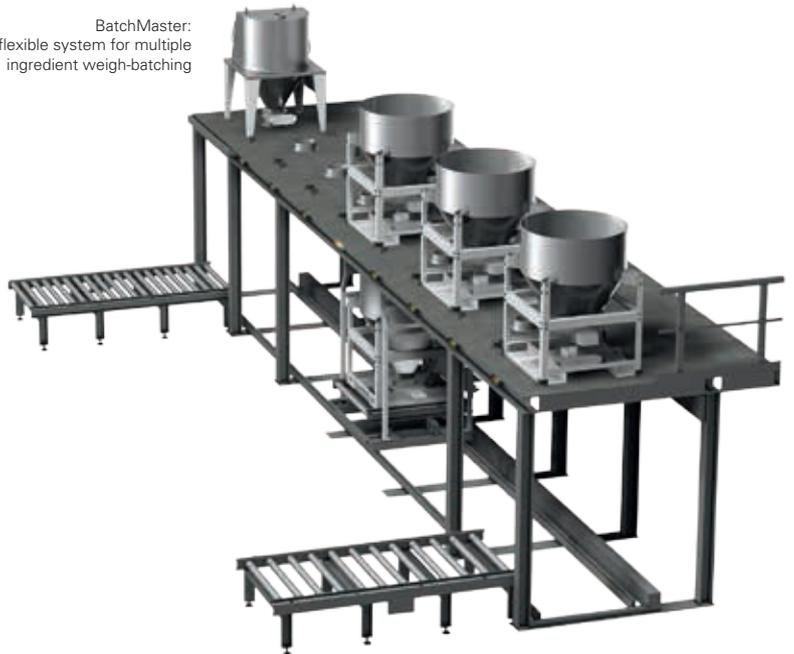


**M**BATCH



MicroBatch scale: gain-in-weight batching of small ingredient amounts

BatchMaster: flexible system for multiple ingredient weigh-batching



Loss-in-weight batch feeder



Multiple ingredient gain-in-weight batching system with hopper scale



Weigh-belt feeder: ideal batch solution for large amounts of ingredient

Loss-in-Weight Batching	Gain-in-Weight Batching	Other
BatchMaster	BatchMaster	Weigh-belt feeder with batch control
Loss-in-weight feeder with batch control	MicroBatch scale	
	Hopper scale	

# > DISCHARGING





## YOUR BULK INGREDIENT STORAGE – OUR DISCHARGE SOLUTIONS

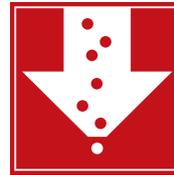
The flow characteristics of bulk ingredients vary massively due to their diverse compositions. This does not only have to be taken into consideration when selecting a feeder but also when it comes to storage and discharge. If, for instance, compaction of an ingredient in a silo results in discharging problems, this may impede the entire production process. In this case, a discharge aid will support the bulk ingredient in flowing out consistently and continuously.

From a simple bag dump hopper to bulk bag unloaders and vibratory bin activators for silos – Brabender Technologie offers different solutions to help you discharge your bulk ingredients. This also applies to difficult ingredients such as extremely poor flowing or floodable ingredients. With our discharge aids we can provide you with a complete range of equipment for bulk ingredient feeding, weighing and discharging – all from a single source.

# > DISCHARGING

D-CHARGE is the Brabender Technologie product line for bulk ingredient discharge equipment. Whether bagged ingredients or ingredients from bulk bags, silos or other bins, every bulk ingredient can be discharged trouble-free with our discharge aids. Our BagDumper and BagMaster are available with an integrated metering feeder. Bagged ingredients can be emptied directly into the feeder with a bag dump hopper in place of a standard extension hopper. The vibratory bin activators BAV and SiloTray are provided for bulk ingredient discharge from silos and other bins.

## D-CHARGE



BAV: vibratory bin activator for bulk ingredient discharge from silos and bins



SiloTray: vibratory bin activator for controlled bulk ingredient discharge from silos and bins



BagMaster: bulk bag unloader for lined or unlined bulk bags, available with an optional integrated feeder



Bag dump hopper: extension hopper for volumetric FlexWall® feeders allowing to fill bagged ingredients directly into the feeder



BagDumper: modular bag dump station, available with an optional integrated feeder

Silos and Bins	Bulk Bags	Bagged Ingredients
Bin activator BAV	BagMaster	Bag dump hopper (feeder extension)
Bin activator SiloTray	BagMaster with on-board metering feeder	BagDumper (bag dump station)

# > CONTROL





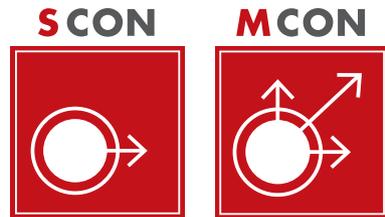
## INTELLIGENT CONTROLS FOR OPTIMUM RESULTS

A fully automatic metering system does not only comprise high-accuracy weighing technology but also intelligent controls with sophisticated software solutions and flexible interfaces. These do not only control the feeding process with its complicated interaction of weighing, metering and regulation functions but also link the metering feeders with other system components such as refill devices and shut-off valves. Above all, however, controls provide a continuous documentation of the feeding process – a must in modern production lines because this is the prerequisite for certification of the user's quality management system.

Brabender Technologie offers single and multiple feeder control systems. Control modules can be feeder mounted creating a stand-alone intelligent mechatronic unit. Alternatively, controls can be mounted in a control panel. Single feeders and multiple feeder systems with control modules in field bus or Ethernet interconnection can either be connected to one of our touch screen operator interfaces by just one single cable, or – thanks to a multitude of interfaces available – directly to most host/PLC systems. Alternatively, the touch screen operator interfaces can be used as additional local operating units. With these options, our controls can be fully interfaced with your control network.

# > CONTROL

The brands S-CON and M-CON represent the controller line of Brabender Technologie. Whether single or multiple feeder control, feeder mounted or mounted in a control panel – thanks to our intelligent systems up to 16 metering feeders in one production line can be controlled easily.



Multiple feeder control solution for gravimetric feeders with feeder mounted control modules for direct connection to a host/PLC system (optionally available with control cabinet mounted control modules)



Loss-in-weight feeder with feeder mounted control modules for connection to host/PLC system or Brabender operator interface



Touch screen operator interface for a single gravimetric feeder



Touch screen operator interface for up to 6 gravimetric feeders



Touch screen operator interface for up to 16 gravimetric feeders

Single Feeder Control	Multiple Feeder Control	Touch Screen Operator Interfaces
Feeder mounted control module ISC-CM plus for host/PLC or/and operator interface connection*	Feeder mounted control modules ISC-CM plus for host/PLC or/and operator interface connection* (1 module per feeder)	Congrav® OP 1T for max. 1 gravimetric feeder
Control cabinet mounted control module Congrav® CB plus for host/PLC or/and operator interface connection*	Control cabinet mounted control modules ISC-CM plus for host/PLC or/and operator interface connection* (1 module per feeder)	Congrav® OP M plus for max. 6 gravimetric feeders**
		Congrav® OP 15 for max. 16 gravimetric feeders**

\* When connected to both a host/PLC **and** an operator interface, the latter serves as an operator interface for local control.  
 \*\* When connected to a host/PLC system via the standard host/PLC interface, the unit serves as an operator interface for local control.

