



Continuous Casting

Vacuum Autocaster™ Ultra

Application: Void-free Continuous Casting Polyester And Acrylics

The Vacuum Autocaster Ultra brings the benefits of automated vacuum-enhanced continuous casting to medium to large-scale polyester or densified acrylic manufacturing applications.

The Vacuum Autocaster Ultra is available in two separate models:

- For Solid Surface Manufacturing
- For Densified Acrylic Manufacturing

Standard Configuration

Provided with the base unit in either the solid surface or the densified acrylic machine configurations listed here are

- 1) Continuous Vacuum System
- 2) Filler Metering Hoppers (2 standard)
- 3) Base-color Metering System (1 included, additional available)
- 4) Resin Metering System
- 5) Catalyst Metering System
- 6) Inline Heat Exchange System
- 7) Dual Cleaning System
- 8) Vacuum System



Vacuum Autocaster™ Ultra	For Solid Surface	For Densified Acrylic
230V, 60 Hz	#1000VS2H-240	#1000VA2H-240
460V, 60 Hz	#1000VS2H-460	#1000VA2H-460
380V, 50 Hz	#1000VS2H-380	#1000VA2H-380
415V, 50 Hz	#1000VS2H-415	#1000VA2H-415

System Configuration Upgrades

Note: Discuss these options with your Gruber representative before ordering.

- Additional Metering Hopper (1) - #30ACFH
- Add 1 Base Color - #CMBCS-1C
- Add 2 Base Color - #CMBCS-2C
- Add 3 Base Color - #CMBCS-3C
- Add 4 Base Color - #CMBCS-4C
- Cobalt Injector Assembly Option - #151000
- Digital Batch Display Assembly - #162966
- Remote Server (Remote Access) Option - #163015
- Expanded Heat Exchanger (High Output Option) - #163500
- Transfer Auger Assembly - (PN dependent upon configuration)
- Pneumatic Gate Option for Transfer Auger - #10A5HTAP

Crating (required for initial Vacuum Autocaster shipment)

#CECSTMACH - Crating Casting Machine

Optional Accessories

A number of equipment and plant automation solutions are available to increase productivity and efficiency in your plant. Discuss these and other options with your Gruber representative before ordering:

Standard Ground Hopper (with Auger) - Stores and conveys bulk powder materials to the point of insertion or use. Often used in conjunction with a gantry or other material transfer system to store and deliver super sacks or bulk bags to the ground hopper - #150445A

Pneumatic Ground Hopper/Auger - Automatically transfer bulk lightweight filler material with a Ground Hopper equipped with a pneumatic pump and hose transport system - eliminating the ground hopper auger and allowing remote positioning of the Ground Hopper relative to the Autocaster. - #1000AGHAO

Bulk Bag Suspender - Suspend a bulk bag or Super Sack above a Ground Hopper for higher efficiency bulk powder filling and management - #150160

Bulk Bag Gantry - The 4-leg bulk bag gantry is used to transport a bulk bag from a pallet and suspend it over the ground hopper using a hoisted trolley. 10 foot (#0831208)

Automatic Casting Tables (3 models) cart allowing repositioning and height adjustments to your existing conveyor system and the Autocaster - (XY #150111), (XYZ #150110)

Mold Handling Conveyor Systems - Consult with your Gruber representative for a configuration to suit your needs.

Equipment Requirements: All models should be hard-wired to an appropriate circuit by a qualified electrician to meet your local electrical codes. Additional controls may be necessary to meet your local regulations. Any additional requirements needed to deem this equipment operational will be obtained by buyer at buyers expense.

Continuous Casting System Options

Gruber offers a number of other accessories to further automate delivery and positioning of bulk solids – including powdered, granular or other bulk ingredients – such as calcium carbonate and other “difficult” materials.

Ground Hoppers

(Bulk Powder Handling Systems)

Gruber’s bulk solids conveyor systems convey a wide variety of powdered, granular, pelletized or other materials, including calcium carbonate, or other materials that may be “difficult” to convey with ordinary bulk or screw type conveyers.



Multiple types of Ground Hoppers:

- Standard - solid core auger based
- Metered - automated metering version of solid core auger system.
- Pneumatic transport system
- Mobile - move your Ground Hopper where needed
- Polymer Concrete - specially designed for polymer concrete manufacturing. Small or large aggregate versions.

Part No.	Description
1000AGH	Standard Ground Hopper
163519	Self-Metering (Automated) Ground Hopper
150445BAO	Pneumatic Ground Hopper
1000AGHPCL	Polymer Concrete Ground Hopper - Lg Aggregate
1000AGHPCS	Polymer Concrete Ground Hopper - Sm Aggregate
1000CA	Mobile Ground Hopper

Bulk Bag Suspender Frame

This option allows mounting of larger, more economical bulk bags (“Super Sacks”) above Gruber’s Ground Hopper™ bulk solids conveyors. Mounting large bulk bags reduce interruptions during the manufacturing process, and reduces labor costs normally associated with manual loading of a metering or feed hopper – particularly when compared to manual loading of smaller bulk material bags. Automation of the bulk material handling system also results in a cleaner, safer working environment and more efficient manufacturing workflow.



Features:

- Designed to sit above a Gruber Ground Hopper, and allow positioning of a super sack for drainage into the Ground Hopper
- 4 way forklift entry for easy positioning of super sacks
- Can be dropped to ground for bulk bag loading (with a forklift)
- Rated for maximum 2500 lb bulk bags
- Adjustable hook height

Part No.	Description
150160	Bulk Bag Suspender Frame
0831516	Bulk Bag Support - Freestanding
CEBBS	Crate - Bulk Bag Suspender Frame

Bulk Bag Roller Conveyor

Bulk bag conveyors facilitate the movement and storage of pallets containing bulk bags (super sacks) from a fork-lift access point to a Bulk Bag Gantry (also available separately).

Conveyors are heavy duty 2” diameter, 12-gauge galvanized steel rollers; with roll-formed heavy-gauge galvanized steel channels. Channels are reinforced laterally with cross-braces. Conveyor are secured to the floor (mounting hardware is included).

Part No.	Description
RCBB10	Bulk Bag Roller Conveyor, 10’
0831216	Bulk Bag Roller Conveyor, 10’
R163622	Bulk Bag Roller Conveyor, 20’ was Bulk Sack Pallet Conveyor
CEROLLCON	Crate - Roller Conveyor

Bulk Bag Gantry

The 4-leg bulk bag gantry is used to transport a bulk bag from a pallet and suspend it over the ground hopper using a hoisted trolley.



- For overhead lifting and dispensing of bulk bag fillers into floor hoppers for automated casting machines or automated batching systems
- Where applicable, can be used to hold bulk bags directly over metering hoppers for use with systems without floor hoppers
- Gantries are manufactured from heavy duty steel components and finished in powder-coat.
- Rated for a maximum lifting capacity of 4,000 lb.
- Cable trolleys provided to carry and guide hoist’s power supply chord
- Bulk bags can be lifted from the ground with the hoist – no forklift access to ground hoppers required

Part No.	Description
0831208	Bulk Bag Gantry, 4 leg, 10’
162768	Bulk Bag Gantry, 4 leg, 15’ (10’ I-Beam, Bulk Bag Suspender)
0831215	4000 lb Capacity Electric Hoist
0831217	4000 lb Capacity Trolley
CEGANTRY	Crate - Bulk Bag Gantry

Other Options:

Mobile Upgrade - convert or buy a mobile GroundHopper.

Bin Lids - Minimize contamination with a metal hopper lid.

Metering Control Options - Call for information.

Load Cells - Call for information.

Automatic Casting Tables

Cart allowing repositioning and height adjustments to your existing conveyor system and the Autocaster. #150111 (XY) or #150110 (XYZ)

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