



Product Information

Application:

Gruber Systems introduces the latest Autocaster™ model, the Economizer. It fits the needs of the largest and smallest producers in the polymer casting industry. The capability and configuration of this machine can be custom tailored to your exact needs for hopper count, number of base and veining colors as well as all other operational attributes. Gruber's new small footprint continuous casting machine is based on the proven working principles established for our other recipe controlled Autocaster™ model. The Economizer Autocaster™ provides from 10 to 40 lbs/minute output operation at an economical price for the small to medium sized marble shops. For those shops that already have a continuous casting machine, the Economizer is perfect for back filling use or program just a few recipes for your highest volume items. This smaller footprint casting machine will significantly increase productivity, cut material costs, and provide consistently high quality products. If you thought your shop wasn't large enough for an Autocaster, this unit will definitely make you reconsider. Intended for shops producing 2000 pounds/day or more, this economical unit will reduce your resin and labor costs as well as increasing your efficiency. Eight recipes can be preprogrammed to provide consistent quality product everyday. You'll wonder how you did without it!

Description:

The machine is factory configurable for a wide range of customer requirements:

- 8 preset recipes standard (up to 60 optionally)
- 1 Base color standard (up to 4 optionally)
- 2 contrast colors standard (up to 4 optionally)
- 1 Filler hopper standard (up to 2 optionally)
- Resin heating system
- Flush solvent cleaning system standard
- Recirculating solvent cleaning system optional
- Up to 40 lbs/minute matrix production
- Instant adjustment of matrix output, resin % and catalyst %
- Totalizer gives accurate readings of material usage
- High efficiency mixer with hardened steel auger and barrel
- Modular design allows for easy upgrades
- Motors for raw material controlled by frequency inverters for precise metering
- Capable of handling fillers up to 2mm particulate size
- Optional vacuum mixing and dispensing

All Economizers come with a pneumatic cleaning system to simplify the cleaning of the auger and barrel.

The standard electrical system is 230 volt, 3-phase, 50/60 Hz, 70 amps max (24 volt DC for control circuit). Other electrical service can be accommodated at additional expense.



Specifications:

MATRIX OUTPUT	<ul style="list-style-type: none"> • From 10 up to 40 pounds/minute standard • From 15 to 60 pounds/minute OR up to 30 to 80 pounds/minute (optional)
MIXING SYSTEM	<ul style="list-style-type: none"> • Hardened steel barrel and auger • High efficiency mixer
MOTORS	<ul style="list-style-type: none"> • 230 Volt AC TEFC explosion proof (others upon request) • Mixing unit - 5 HP • Raw material feed units - 3/4 HP • Thermal pump unit - 1/8 HP
FILLER SYSTEM	<ul style="list-style-type: none"> • Inverter controlled adjustable output • Solid core metering auger • Maximum particle size 2mm • Hopper capacity 4 cu. ft. • Integrated anti-bridging device
RESIN SYSTEM	<ul style="list-style-type: none"> • Maximum 2500 centipoise promoted polyester resin • Overpressure sensor and bypass • Inverter controlled adjustable output • Integrated recirculating thermal fluid based heat exchanger • Gravity feed resin input
CATALYST SYSTEM	<ul style="list-style-type: none"> • Precision piston pump • Overpressure sensor • Recirculating system with electronic flow sensor and visual display • Inverter controlled adjustable output • Storage capacity of 5 gallons
BASE-COLOR SYSTEM	<ul style="list-style-type: none"> • Positive displacement gear pump • Uses liquid paste pigments up to 5000 centipoise • Inverter controlled adjustable output • Pigment recirculation to reduce solids separation
CONTRAST COLOR SYSTEM	<ul style="list-style-type: none"> • Use liquid paste pigments up to 5000 centipoise • Pause and pulse settings for pigment injection • Feeds from paste supplier's shipping container • Injectors incorporate flow control knob
CLEANING SYSTEM	<ul style="list-style-type: none"> • Flush cleaning system – • Dual internal and recirculating cleaning system (optional) • Air purge included • Internal cleaner 5 gallon storage, • Recirculating cleaner 15 gallon storage (optional) • Recommended for use with DBE (Marblewash or equivalent)
CONTROL SYSTEM	<ul style="list-style-type: none"> • Eight recipe presets standard (with up to 60 optional) • Control panel on control box • Integrated rate display and totalizers
ELECTRICAL SYSTEM	<ul style="list-style-type: none"> • 230 Volt, 3 Phase, 50/60 Hz, 70 amps max. • 24V DC control circuit
AIR SUPPLY	<ul style="list-style-type: none"> • 90 psi, 20 CFM
DIMENSIONS	<ul style="list-style-type: none"> • 54" wide X 80" deep X 112" high
NET WEIGHT	<ul style="list-style-type: none"> • 3500 lbs.

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 buyer's expense.



25636 Ave. Stanford Valencia CA, 91355 USA
 Tel. 800 257-4070; 661 257-4060
 Fax 800 247-8237; 661 257-4791
 E-mail sales@gruber-systems.com
 www.gruber-systems.com

Gruber Systems Inc. believes the above information to be accurate and true. However, Gruber Systems makes no warranty, express or implied, with respect to the product's performance, color, quality, merchantability, or fitness for a particular purpose. Environmental conditions and/or manufacturing processes may vary beyond Gruber Systems' control and users should satisfy for themselves that these materials are suitable for the particular application. Specification and design changes may occur at any time. 4/6/2005

Economizer product bulletin rev b.doc