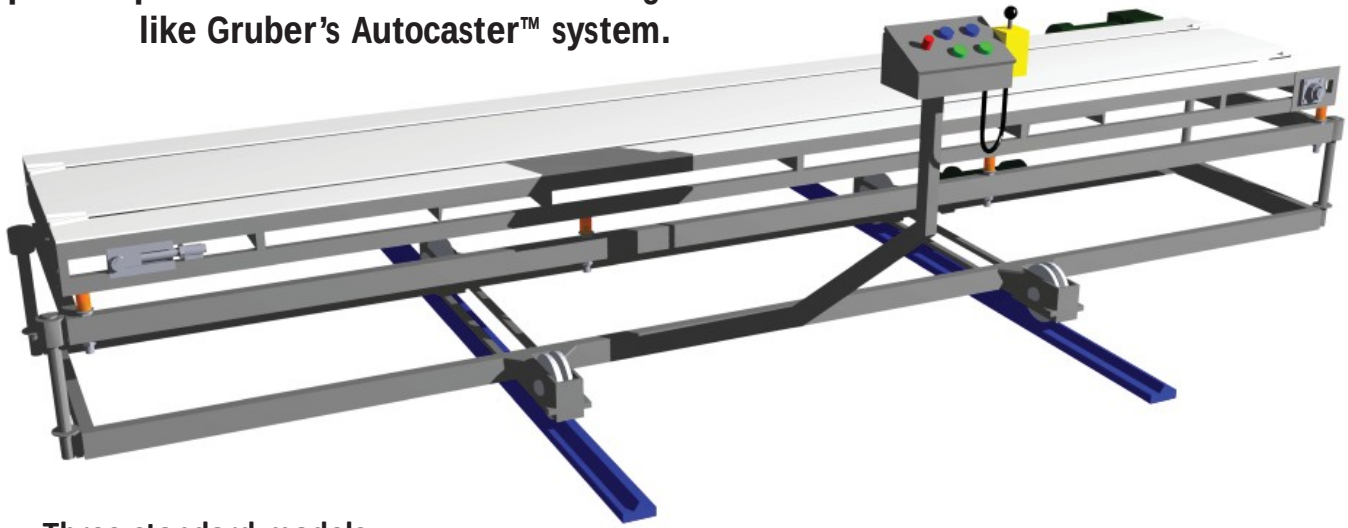




XYZ Mechanized Casting Table

X,Y,Z automated mold positioning table for use with a continuous casting system

The XYZ Mechanized Casting Table (MCT) is the perfect partner for an continuous casting machine like Gruber's Autocaster™ system.



Three standard models:

- 15' (X,Y and Z axis)
- 15' (X and Y axis only)
- 15' (X axis only)

The table makes the process of casting small to large molds simpler by automating vertical movement of the mold to properly position it under the Autocaster so that matrix can easily pour down into the mold.

Variable speed motorized movement in all directions - side/side (X), back/forth (XY) and up/down (Z) allows an operator to position a mold precisely where its needed during casting. The Mechanized Casting Table (MCT) easily handles the smallest to the largest of molds - from small modular to large panel molds. With the built-in Z-Drive, tubs can be placed in the proper position for casting. The removable hand-held motion control unit allows the operator to walk to either end of the cart while still controlling the motion.

For tub molds, the cart is lowered from the standard 28" height down to 20" to allow a tub mold to fit underneath the Autocaster barrel. It can then be raised back up to the original 28" height so the mold can be transferred to a conveyor and move down the line. The unit comes standard with an electric vibration system.

Features:

- Electric vibration system (integrated Vibrator)
- Second control set
- Control option for high or low speed
- Joystick on wired remote for X and Y positioning
- Inverter controls for variable speed X and Y motion
- Flat top cart for safety and easy cleanup
- V-Groove drive for Y motion
- Heavy-duty roller chain for X motion

Options:

- Explosion-proof motors
- Explosion-proof electric vibrator

XYZ Mechanized Casting Table (MCT) Product Bulletin *(continued)*

Technical Description

X and Y motion is controlled through inverter driven AC motors (explosion proof available) couple to fixed ratio transmissions. Heavy-duty roller chain on the x-axis handles molds with track or flat bottoms. Posi-traction through a solid axle connected to V-Groove wheels provides Y motion for the cart on V-Track, with travel limited only by the length of the track and electrical wire followers. Height control is obtained through an AC motor driving an enclosed precision ball screw.

User-friendly operator controls are mounted on an extension from the front of the cart. The control panel includes a keyed control lockout, emergency stop, vibrator switch and wired remote. Controls on the wired remote include a joystick for X and Y motion, control for Z height (X, Y and Z model only), and an additional emergency stop switch. The remote provides 10' (ten foot) travel from the main control panel.

Order Information

150110	15 ft. MCT with 3-dimensional controls (X,Y and Z axis)
150111	15 ft. MCT with 2-dimensional controls (X and Y axis only)
162302	15 ft. MCT with 1-dimensional control (X axis only)
CEEVTC	Required Crating (Casting Cart)
CETRACK	Cart Track Crating

Related Accessories:

08314500	Wheel, V-Groove, Cast 8" diameter
083087	Cart Track, 10"
162390	Cart Track Stops
150110C	XYZ Controls

Replacement Parts:

0832045	XYZ Transfer Cart Lift Spring - (Z Axis lift assisted spring). 4 used on system.
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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.

Related Products

AutoCaster continuous casting systems - including AutoCaster Economizer, AutoCaster Ultra, AutoCaster Ultra/PC (for polymer concrete), and the Vacuum AutoCaster Ultra (for solid surface casting).

Note: This product was formerly known as the Automatic Casting Table (ACT).



Molds and Process Control Equipment for Composites Manufacturing

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