

Compact Tape Casters



C-series

- Suitable for green ceramic
- thicknesses from 3 to 150 microns (0.2 to 6 mils)
- Suitable for solvent based and water based systems
- Automatic tracking of carrier foil
- Compact size requiring minimum floor space
- High accuracy in thickness control and stability
- Slotted die slurry feeding to doctor blade
- Advanced slurry dosage with micrometer level control
- Stepper motor controlled high accuracy doctor blade

High Accuracy Tape Casting on Carrier Films

Compact Coating Equipment

The CAM- C series tape casters are designed and built to meet the most stringent customer demands where compact design is required. A need for higher automation levels, higher accuracy and compact design, led to this truly innovative casters. The automated continuous slurry dosage through a slotted die system with +/-10 micrometer (0.4 mils) slurry level height control on the casting box. Fully automatic casting gap control, with auto zero calibration. The process can be continuously monitored on the touch screen. Preset menus can be use to quickly start a new casting batch.

A series of available options customize the casters to meet particular requirements, these includes (but are not limited to):

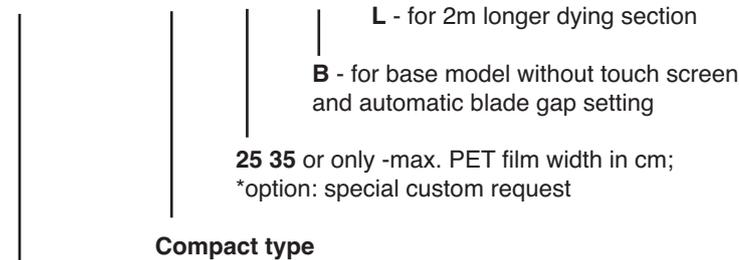
- Ceramic tape edge cutting
- Double exhaust
- 2m longer drying zone
- Data link for external process monitoring
- Dlaser tape thickness measurements
- Slurry filter cartridge

Technical specification:

Casting speed:	0.1 - 6 m/min (0.3-20 ft./min) adjustable
Carrier tape width:	250 mm or 350 mm max. (10 or 14 inch max.) depends of version
Casting width:	up to 200 mm max. (8 inch), or up to 300 mm max. (12 inch)
Dry tape thickness:	5-150 microns (0.2-6 mils)
Thickness accuracy:	+/- 1 micron (0.04 mils)
Carrier film thickness:	20 to 75 microns
Drying:	5 individual bottom heating plates, top side filtered air adjustable from room temperature to 120 °c Max.
Slurry feeding:	automatic by air or Nitrogen pressure
Slurry vessel:	25L (6.6 gal)
Carrier film control:	speed controlled by servo motor, tension by adjustable weight, tracking mechanism with edge sensor for tape reeling
Construction:	Stainless steel frame and enclosure
Safety:	CE compliant
App. dimensions:	L x W x H: 3.5 m (136 inch) x 1.1 m (43 inch) x 1.5 m (59 inch), without exhaust tubes
Power consumption:	app. 10 kW , depends on configuration

How to order*:

CAM-C xx x x



Casting machine



* Options and other requirements have to be specified separately

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Multilayer Ceramics

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