

Laboratory Tape Casters



L-series

- PET film based tape casters suitable for laboratory and low production volume
- Wide configurations range
- Automatic gravity slurry feeding
- Casting speed control
- Tape winding for continuous operation

Simple Operation and Cleaning

Laboratory tape casters are designed to cast slurries in labs or small scale productions into homogeneous tapes. The green tapes are cast on a carrier PET film. The carrier film is unwound from a roll with adjustable torque control, which determines the carrier tape tension. The carrier tape is guided through the casting head where the slurry is deposited via the doctor blade method.

The casting gap is easily adjusted using micrometer screws. The doctor blade gap measurement is done with two measuring gauges (readout in micrometers or mils). A high precision carbide doctor blade and the granite bottom plate ensure high quality tape casting 3 - 5micrometers (0.2mils).

The slurry is gravity fed from a slurry vessel. The slurry level in a (fully covered) Teflon casting box is determined by the height of the slurry supply tube inlet. The casting speed is fully adjustable. Up to four meter (13) long drying section covered by glass plate and connection to factory exhaust is available for tape drying. The amount of fresh air and exhausted air are (manually) adjusted with dampeners.

Optionally, the tape caster can be equipped with an additional hot air inlet and/or bottom plate heating for more efficient tape drying. The dried tape is accuratelywound up into a roll.

Additional options:

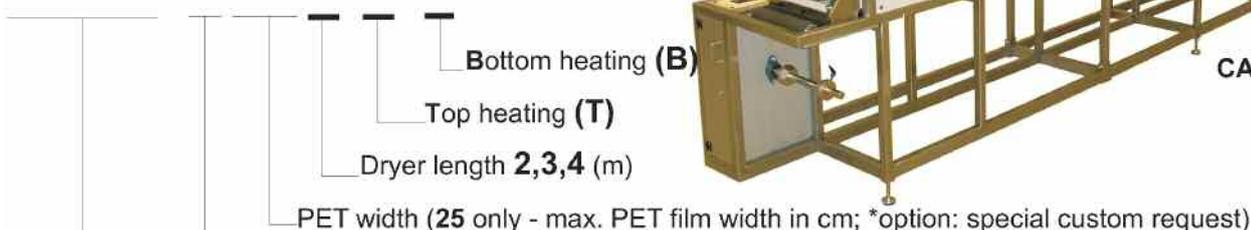
- Exhaust flow measuring sensor
- Casting speed readout

Technical specification:

Casting speed:	0.2 - 2m/min (or custom)
Carrier tape width:	250 mm max. (10 inch)
Casting width:	up to 200 mm max. (8 inch)
Blade gap setting:	max. 5 mm rage
Drying section length:	from 2 up to 4 m, available in 1 m actions
Carrier film thickness:	20 to 120 microns
Power requirements:	depends on configuration and custom request
Dimensions:	depends on configuration, for 4m long dryer app. 5m total length
	-Width: 0.7m
	-Height: 1.2 to 1.5m depends of configuration

How to order:*

CAM-L25x x x



*Options and other requirements have to be specified separately

Laboratory type
Casting machine



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