

LABORATORY TAPE CASTER

Model CAM-T1



- Cast various tapes on to carrier film.***
- Fully stainless steel design.***
- Easy operation and cleaning***
- Carrier tape unwinder + winder for continuous roll to roll operation***

Laboratory tape caster is design to cast slurries in labs or small scale productions in to homogeneous tape. Tape is cast on to carrier PET film. Carrier film is unwounded from a roll with adjustable torque control, which determines carrier tape tension. Carrier tape is guided through casting head where slurry is deposited by doctor blade method.

Casting gap is easy adjustable by micrometer screws. Gape measurement is done by two measuring gauges (readout in micrometers or mills). High precision tungsten carbide doctor blade and granite bottom ensures high precision casting down to 5 micrometers.

Slurry fed is done by gravity from a slurry vessel. Slurry level in a fully covered Teflon casting box is determined by height of inlet slurry tube.

Casting speed is adjustable. Up to four meter long drying section covered by glass plate and connection to factory exhaust is available for tape drying. Amount of fresh air and exhausted air is adjustable by flappers. Optionally machine can be equipped with additional hot air inlet and/or bottom plate heating for more efficient drying.

At the end tape is wound together with carrier film in to a roll.

Technical specification:

Tape speed: Adjustable 0,2 – 1.5 m/min

Carrier tape width: 250mm or 10inch max.

Casting width: up to 200mm or 8inch (depends of casting box width)

Dr. blade gap settings: 0 – 1mm

Drying section length: up to 4m (available in 1m steps)

Carrier film thickness: 30- 120micometers

Connections:

-Electrical power: 230V, 50/60Hz, 3A (or according to custom request)

Dimensions:

-Length: depends of drying section length, 4m drying length = 4,7m machine length

-Width: 660mm

-Height: 1240mm

-Weight: approx.: 250kg (4m long dryer)

Options:

- Hot air supply
- Bottom heating plates