

# 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**

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Simple operation and cleaning

## BASIC CONFIGURATION:

Laboratory tape casters are made to cast slurries in labs or small scale production in homogeneous tapes or for different low scale coating applications.

Basic laboratory tape caster is suitable for 250mm carrier tape width with a gravity slurry supply. The carrier tape is unwound from a roll with adjustable torque control, which determines carrier tape tension. The carrier tape is guided through a casting box where the slurry of ceramic powder is metered by the doctor blade method. The casting gap is easily and accurately adjusted by micrometer screws, while the gap measurement is done by two measuring gauges. A high precision hardened steel doctor blade and granite bottom ensures highly controlled casting thickness. The tape casting speed is adjustable, wound by servomotor. A 2 meter long drying section is available for tape drying with a connection to factory exhaust system. The amount of fresh and exhaust air is adjustable by valves. At the end the tape is collected together with carrier film and wound into a roll.

## AVAILABLE OPTIONS:

### DRYING

Top Air heating

Exhaust airflow measurement (x)

Bottom plate heating

### CASTING

Rotating Casting wheel (x)

Slurry supply automatic incl. slurry filter syst. (x)

Antistatic device on unwind/winding side

### CONTROL

HMI touch, PLC control

### Technical specification:

Casting speed: 0.1-3 m/min

Carrier tape width: 250 mm max. (10 inch)

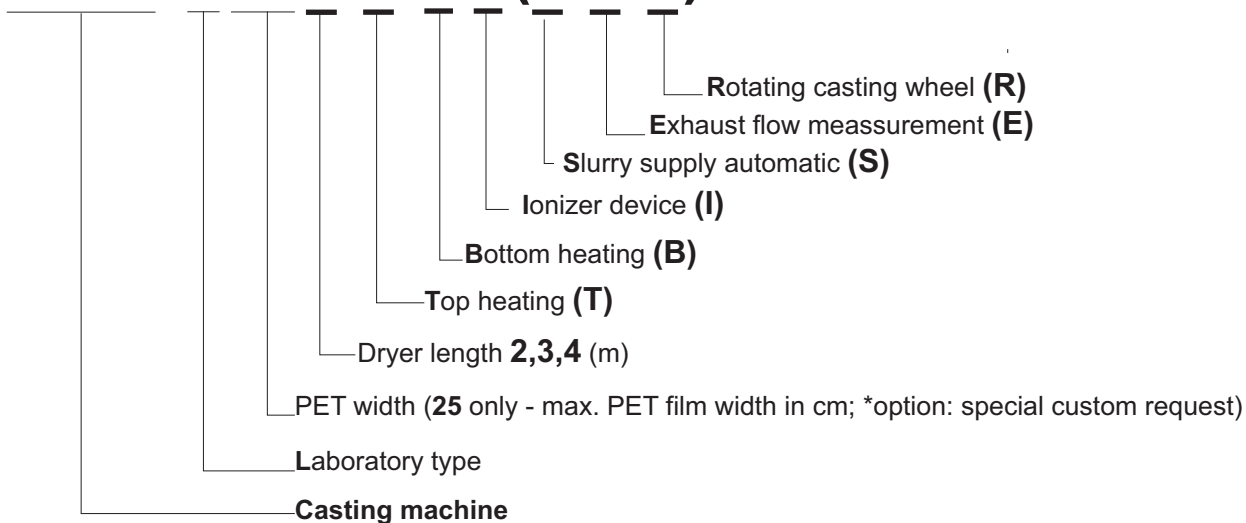
Casting width: up to 220 mm max. (8 inch), depends on casting box width

Blade gap setting: 0 to 5 mm range

Drying section length: from 2 up to 4 m, available in 1 m steps

## How to order:

# CAM-L25x x x x(x x x)



\* Options and other requirements have to be specified separately.

(x x x) - These options are available in combination with HMI touch, PLC control