

# HORIZONTAL DRYING ZONE TAPE CASTERS

## H-series



- Deposition thicknesses 5 to 500 microns (0.2 to 20 mils)
- Suitable for solvent based and water based systems
- Automatic tracking of carrier foil
- Advanced drying regimes possible
- High accuracy in thickness control and stability
- Slotted die, comma roll or dr. blade coating principles possible
- Advanced slurry dosage control
- Automatic high accuracy gap setting control

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High output tape casting on carrier films

The CAM- H series of tape casters are our most advanced tape casters suitable for highest production demands. Advanced drying regimes makes them very suitable for thick tape production. Numerous temperature and air flow sensors are installed for process control. The automated continuous slurry dosage flows 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 continuous monitored on a touch screen or an external PC. 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):

- tape edge cutting
- up to 5 different drying zones
- drying zones extensions up to 20 m (66 ft) in 3m (9 ft) steps possible
- safety package for ex proof casing process
- data link for external process monitoring
- tape thickness measurements with tape marking
- slotted die coating principle
- comma roll coating principle

**Technical specification:**

Casting speed: 0.1 -6 m/min (0.3-20 ft./min) adjustable

Carrier tape width: 350 mm or 450 mm or 600 mm max. (12 or 18 or 24 inch max.) depends of version

Casting width: up to 200 mm max. (8 inch), or up to 380 (15 inch) or up to 500 mm max. (20 inch)

Dry tape thickness: 5-500 microns (0.2-20 mils)

Thickness accuracy: +/- 1 micron (0.04 mils +(+/- 2 % of tape thickness))

Carrier film thickness: 20 to 120 microns

Dying: Adapted to slurry properties, glass windows in each drying section for dying observation

Common drying regime: first zone -low drying speed

Second zone - drying with air re-circulation+ bottom heating

third zone - high speed final drying by air nozzles + bottom heating

**How to order: \***

**CAM-Hxxx**



Drier length: **6 - 20** (m) (in 3 m steps)

**35 or 45 or 60** only - max. PET film width in cm; \*option: special custom request

Horizontal type

Casting machine

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



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