

Horizontal Drying Zone Tape Casters



H-series

- Suitable for green ceramic thicknesses from 5 to 500 microns
- 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 slurry feeding to doctor blade
- Advanced slurry dosage with micrometer level control
- Automatic high accuracy gap setting control

High Output Tape Casting on Carrier Films

The CAM-H series

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 high accuracy 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):

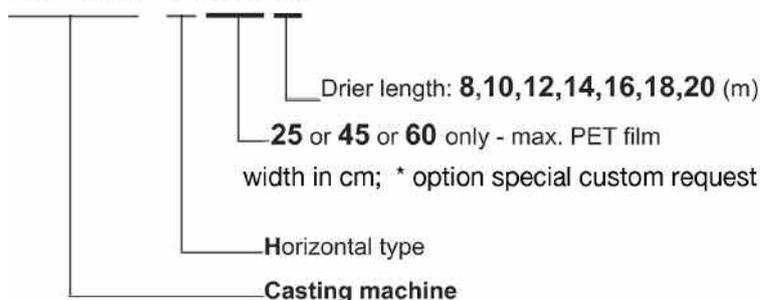
- tape edge cutting
- up to 3 different drying zones
- drying zones extensions up to 20 m in 2 m steps
- safety package for ex proof casing process
- data link for external process monitoring
- slurry filter cartridge

Technical specification:

Casting speed:	0.1 - 6 m/min (0.3 - 20 ft./min) or 0.5 - 20 m/min (1.5 - 65 ft./min)
Substrate width:	250 mm or 450 mm or 600 mm max. (10 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
Slurry feeding:	automatic by air or Nitrogen pressure
Slurry vessel:	25 L (6.6 gal) or 50 L (13 gal)
Carrier film control:	speed controlled by servo motor, tension by adjustable weight, tracking mechanism with edge sensor for tape reeling
Safety:	CE compliant
Dimensions:	depends on version -max total length 25 m (82 ft)
Power consumption:	depends on configuration (up to 60 kW)
Electrical connection:	according to customer requirements

How to order: *

CAM-Hxxx



*Options and other requirements have to be specified separately

www.haikutech.com

HaikuTech
Multilayer Ceramics

Americas
HaikuTech Inc.
1669 NW 79th Avenue
Miami, FL 33126, USA
T: +1-305-463-9304
F: +1-305-463-8751

Europe
HaikuTech Europe B.V.
Sporweglaan 16
6221 BS Maastricht
The Netherlands
T: +31 (43) 457-8080
F: +31 (43) 457-8053

Email: sales@haikutech.com