

STEEL BELT TAPE CASTERS

S-series



- Suitable for casting green ceramic tape thicknesses from 15 to 200 microns (0.6 to 8 mils)
- Suitable for solvent based and water based systems
- Automatic tracking of steel belt
- Different drying regimes available
- Tape edge cut and tape winding possibilities
- Very suitable for price sensitive applications
- Advanced slurry dosage with laser sensor level control
- Micrometer controlled high accuracy doctor blade

Economic tape production process

The CAM- S series of tape casters are designed for low cost ceramic tape production, since the process takes place on a continuous stainless steel belt. The S series tape casters are mainly used to produce dry tape thicknesses from 15 to 200 microns (0.6 to 8 mils). 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. The casting gap is set using micrometer screws and displayed on 2 digital measuring gauges. The standard caster comes with automatic belt tracking system for the steel belt with pneumatic belt tensioning, dried tape winder and a 25 Liters (6.6 gallons) slurry vessel.

Optionally, under the belt heating and additional sections of top heated air in counter-flow can be added to meet specific requirements:

- ceramic tape edge cutting
- more and longer drying zones
- slurry filter cartridge

Technical specification:

Casting speed: 0.3 -6 m/min (1-10 ft./min) adjustable

Belt width: 300 mm or 600 mm (12 or 23 inch max.) depends on version

Casting width: up to 220 mm (9 inch), or up to 450 mm max. (18 inch)

Dry tape thickness: 15-200 microns (0.6-8 mils)

Thickness accuracy: +/- 2 micron (0.08 mils)

Drying: 1 bottom heating zone,

1 top heating zone (filtered air adjustable from room temperature to 80 degr. C max.)

Slurry feeding: automatic by air or Nitrogen pressure

Slurry vessel: 25 L (6.6 gal)

Belt speed controlled by frequency exchanger, belt tension adjustable by air pressure, tracking mechanism with edge sensor for belt tracking

Dryer construction: stainless steel

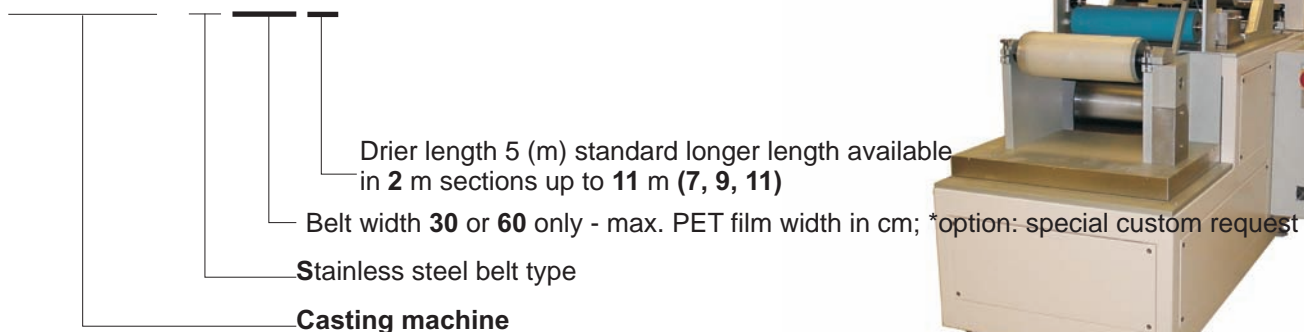
Safety: CE compliant

Dimensions: Depends on version

Required connections: Electricity: According to customer requirements; Compressed air: 0.6 MPa, up to 100 L/min

How to order: *

CAM-S30x



* Options and other requirements have to be specified separately.

CAM-S6011

