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 price sensitive productions, 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 dying zones
- slurry filter cartridge

**Technical specification:**
- Casting speed: 0.3 - 3 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: 2 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**

- Drier length 5 (7, 9, 11) (m)
- 30 or 60 only - max. Belt width in cm; *option: special custom request
- Stainless steel belt type
- Casting machine

*Options and other requirements have to be specified separately.