

Steel Belt Tape Casters



S-series

- Suitable for casting green ceramic tape thicknesses from 15 to 200 microns (0.6 to 8 mils)
- Available 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

Tape Casters CAM- S series

The CAM- S series of tape casters are designed for low cost 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.

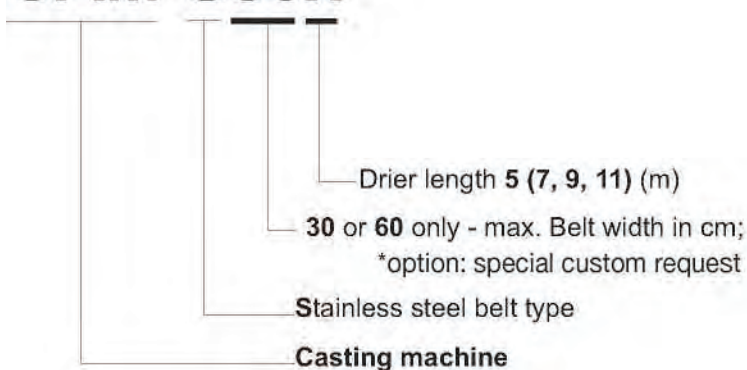
Optionally, under the belt heating and additional sections of top heated air in counter-flow can be added to meet specific requirements: - ceramic tape edge cutting,- more and longer drying zones,- slurry filter cartridge

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.) | |
| 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 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



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