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

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.

Optionaly, 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

<table>
<thead>
<tr>
<th></th>
<th>Casting speed</th>
<th>Slurry feeding</th>
<th>Belt width</th>
<th>Slurry vessel</th>
<th>Belt speed</th>
<th>Belt tension adjustable by air pressure, tracking mechanism with edge sensor for belt tracking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casting speed</td>
<td>20 holes/s in distance 1 x 1 mm</td>
<td>automatic by air or Nitrogen pressure</td>
<td>up to 225 x 225 mm max.; (9 x 9 inch)</td>
<td>up to 220 mm (9 inch), or up to 450 mm max. (18 inch)</td>
<td>controlled</td>
<td></td>
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<tr>
<td>Belt width</td>
<td>up to 225 x 225 mm max.; (9 x 9 inch)</td>
<td>automatic by air or Nitrogen pressure</td>
<td>up to 220 mm (9 inch), or up to 450 mm max. (18 inch)</td>
<td>by frequency exchanger, belt tension adjustable by air pressure, tracking mechanism with edge sensor for belt tracking</td>
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<tr>
<td>Casting width</td>
<td>15-200 microns (0.6-8 mils)</td>
<td>Dryer construction stainless steel</td>
<td>15-200 microns (0.6-8 mils)</td>
<td>Stainless steel</td>
<td>dried tape winder</td>
<td></td>
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<tr>
<td>Thickness accuracy</td>
<td>+/- 2 micron (0.08 mils)</td>
<td>Safety CE compliant</td>
<td>+/- 2 micron (0.08 mils)</td>
<td>CE compliant</td>
<td>dried tape winder</td>
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</tr>
<tr>
<td>Drying</td>
<td>2 bottom heating zone, 1 top heating zone (filtered air adjustable from room temperature to 80 degr. C max.)</td>
<td>Dimensions Depends on version</td>
<td>25 L (6.6 gal)</td>
<td>dried tape winder</td>
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</tr>
</tbody>
</table>

### 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.