

PROCAST® SERIES TAPE CASTING AND COATING SYSTEMS MODELS FOR PRODUCING TAPES UPTO 1.5 METERS WIDE

Precision tape casting/coating systems for applications requiring tolerances of 0.00127mm over widths of 10 to 150 cm. Procast® is the best technology available for laboratory, pilot plant and production operations when dependable precision is required. Proven in the production of millions of square inches of product for electronics, photonics, fuel cells and technical ceramics.

Procast® series systems are available in standard sizes from table top lab scale units to large production models, over 50 meters long. Options include polymer and steel belt web carriers, coating fluid delivery systems, product drying controls and take-up spoolers.



Procast® production and tabletop machines

Standard Features:

- Heavy duty aluminum and steel construction forms a solid, level work platform.
- Enclosed, thermally insulated work chamber maintains controlled process conditions.
- Glass windows provided for viewing the process and for maintenance access ability.
- Precise casting/coating surface (0.00762mm or better) with web carrier supports
- Constant speed microprocessor controlled digital web/carrier drive and takeup.
- Precisely set gaps for doctor blade or other coating heads easily adjusted as needed.
- Forced fan preheated, counter-flow system air controls drying and exhaust.
- Temperature microprocessor and SCR precisely control process set point
- Electrical components are UL/FM listed. The entire system meets applicable NFPA , NEC and CE directives and is completely wired ready for operation after connection to the required electrical service. An instruction manual is supplied.

Optional Features

FURNACES • KILNS • DRYERS • COATERS

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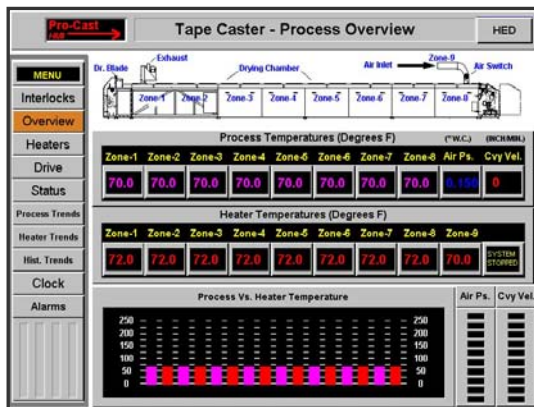
Product Bulletin TCM-07

- Continuous stainless steel belt, 0.61mm thick, 0.3 to 1.5M widths, with #4 finish. Other product carrier materials, finishes and thickness are available.
- Automatic carrier alignment system and product take-up spoolers can be provided at the discharge end of the machine.
- SCR-powered proximity sensor system synchronizes carrier and product speed to provide tensionless product take-up.
- HEPA filter cleans process air for system purge and during operation
- LEL sensors monitor volatiles for close control of process atmosphere
- Casting/Coating material preparation, conditioning and delivery systems
- Custom sizes, casting heads, and HMI PC process control systems available.

Specifications

	PRO CAST		TCM Series Tape Casting Machines
Model	Casting	Casting	Suggested Application
No.	<u>Length</u>	<u>Width</u>	<u>Description</u>
TC-71LC	2.1M	300mm	Ideal for R&D Lab Table-Top
TC-121	3.7M	300mm	Designed for Lab-scale studies
TC-251	7.7M	300mm	Versatile Pilot Plant Size
TC-501	15.4M	300mm	Medium Scale Production
TC-252	7.7M	600mm	Double Wide Pilot Plant Size
TC-502	15.4M	600mm	Double Wide Scale Production
TC-1002	30.8M	600mm	Double Wide Volume Production
TC-504	15.4M	1200mm	Quad Wide Scale Production
TC-1004	30.8M	1200mm	Quad Wide Volume Production

*Specifications are approximate and subject to change without notice.



PROCAST Human Machine Interface (HMI)



PROCAST Clean Room Installation