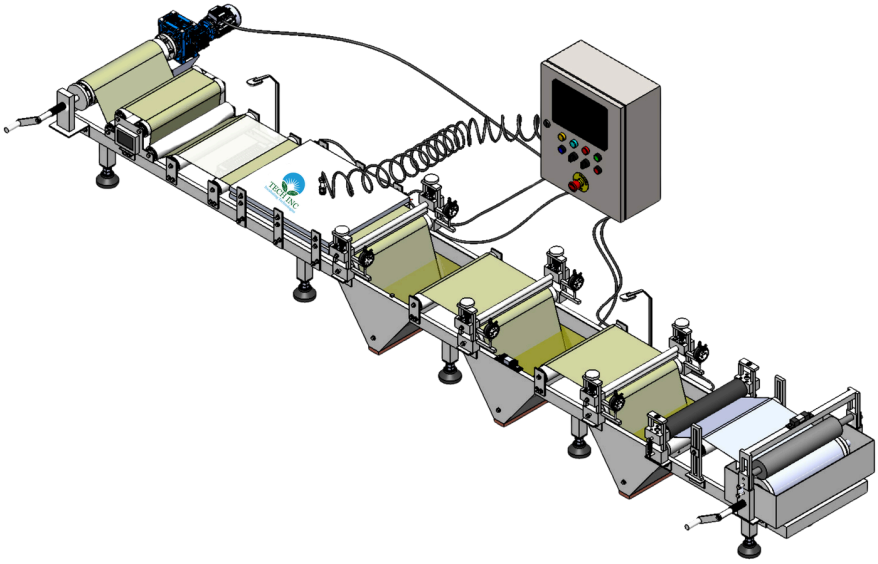
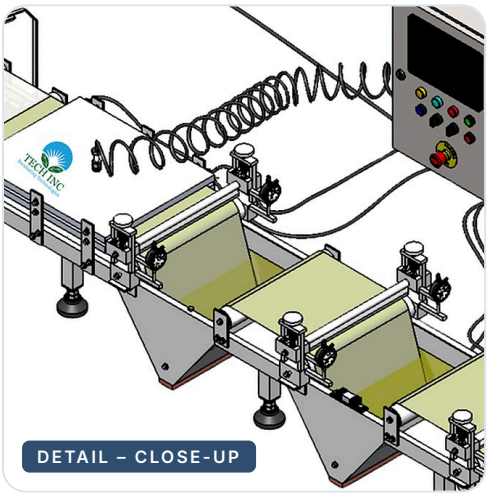
PRODUCT DATASHEET

Flat Sheet Membrane Roll Casting Machine with Heating Facility – Slot Die





DETAIL – CLOSE-UP

OVERVIEW

Tech Inc. Flat Sheet Membrane Roll Casting Machine - Slot Die produces flat sheet membranes using slot die coating technology, delivering uniform membrane thickness and superior quality. This equipment excels in manufacturing thin-film composite membranes with precise control over coating parameters.

APPLICATIONS

Thin-film composite membrane manufacturing for reverse osmosis applications; flat sheet membrane production for nanofiltration systems; forward osmosis membrane development for advanced water treatment.

KEY ADVANTAGES

- Precision slot die head providing uniform coating thickness across membrane width
- Integrated heating system enabling thermal control of polymer solutions
- Variable coating speed accommodating diverse membrane material requirements
- Real-time thickness monitoring with automated feedback control
- Adjustable gap settings for fine-tuning membrane specifications

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