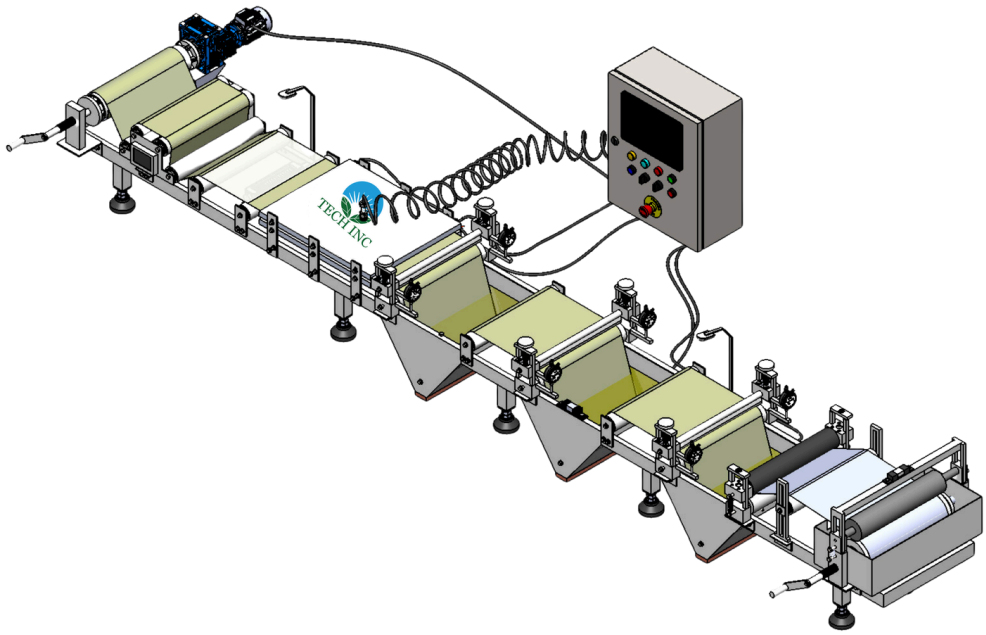
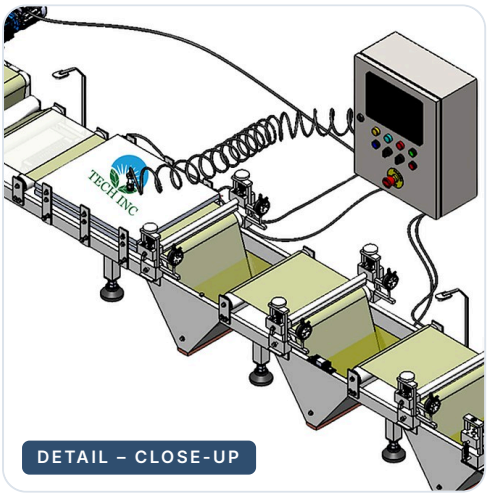
PRODUCT DATASHEET

Flat Sheet Membrane Roll Casting Machine with Heating Interfacial Polymerisation





DETAIL – CLOSE-UP

OVERVIEW

Tech Inc. Flat Sheet Membrane Roll Casting Machine - Interfacial Polymerisation produces advanced thin-film composite membranes through interfacial polymerisation chemistry.

APPLICATIONS

Thin-film composite reverse osmosis membrane manufacturing; nanofiltration membrane production with superior selectivity; forward osmosis membrane development for advanced water treatment.

KEY ADVANTAGES

- Precision control over aqueous and organic phase interface for optimal polymerisation
- Integrated heating system managing temperature-sensitive chemical reactions
- Automatic chemical dosing system ensuring stoichiometric balance
- Real-time monitoring of polymerisation progress with automated feedback
- Rapid membrane production enabling high-throughput research

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