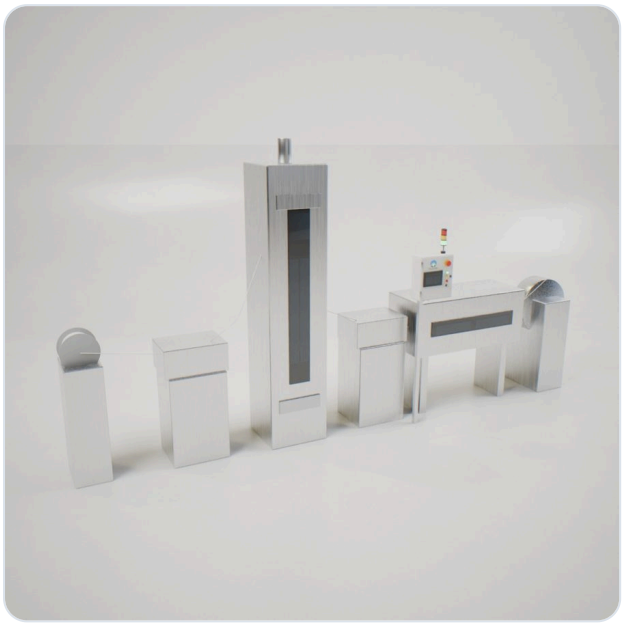
PRODUCT DATASHEET

Hollow Fibre Coating Line for Composite Membranes

Thin selective layers on hollow fibres





DETAIL – DIP BATHS

OVERVIEW

The Tech Inc. Hollow Fibre Coating Line for Composite Membranes adds a thin selective layer to a porous hollow fibre support. Fibre unwinds through a first dip bath, a vertical drying tower, a second bath (for interfacial polymerisation or a second coat) and a curing oven before rewinding.

MODELS AND CONFIGURATIONS

- **Dip coating** – single selective layer.
- **Interfacial polymerisation** – aqueous then organic bath.
- **Batch bundle coating** – for short lengths.

TYPICAL DESIGN DATA

Fibre OD	0.3 to 3 mm
Speed	0.5 to 20 m/min
Oven	Up to 150 °C

APPLICATIONS

Thin-film composite NF and RO hollow fibres, PDMS and other gas separation coatings, pervaporation and hydrophilic coatings.

KEY ADVANTAGES

- **Controlled layer** – steady speed and tension
- **Two chemistries** – dip coat or interfacial polymerisation
- **Research to pilot** – one machine

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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