PRODUCT DATASHEET

Commercial Hollow Fibre Membrane Spinning Line

Production-scale hollow fibre spinning





DETAIL – MULTI-SPINNERET SPINNING TOWER

OVERVIEW

The Tech Inc. Commercial Hollow Fibre Membrane Spinning Line takes hollow fibre membrane making from pilot to production. Two dope vessels feed several metered spinnerets in parallel; the fibres pass through a long coagulation bath, a second bath with driven godets, and onto a multi-position winder, all under one PLC.

MODELS AND CONFIGURATIONS

- **Four-position line** – first production line.
- **Eight-position line** – higher output.
- **Dual-layer spinnerets** – co-extruded fibres.

TYPICAL DESIGN DATA

Positions	2 to 8 spinnerets
Line speed	5 to 60 m/min
Dope temperature	Up to 120 °C
Materials	SS304 or SS316 wetted parts

APPLICATIONS

UF and MF membrane production, MBR fibres, gas separation fibres and contract membrane manufacturing.

KEY ADVANTAGES

- **Same recipe as pilot** – scale-up without starting again
- **Consistent fibre** – metered dope and controlled baths
- **Expandable** – add positions later

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

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