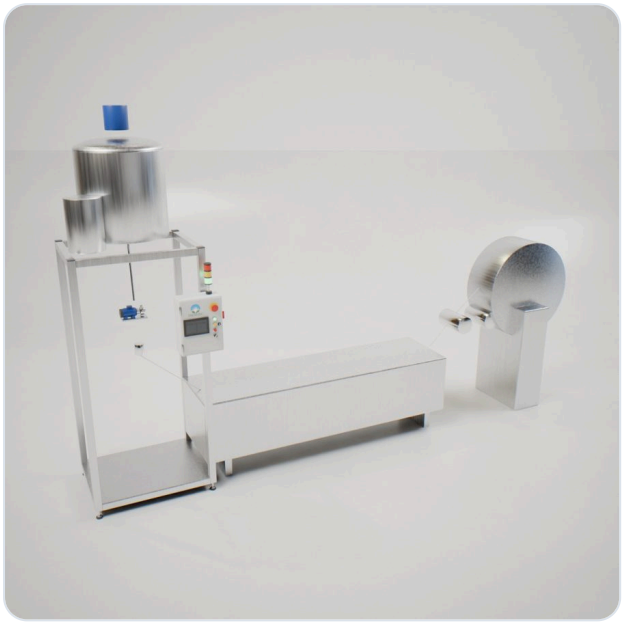
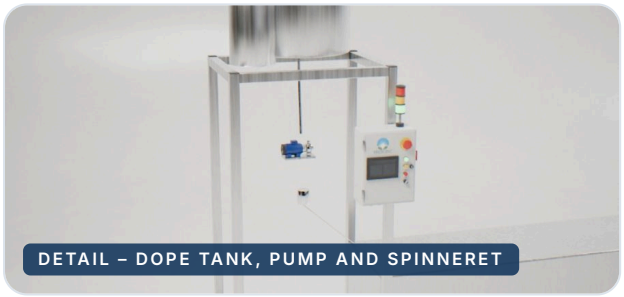
PRODUCT DATASHEET

# Pilot Hollow Fibre Spinning Line

From lab fibres to pilot output





DETAIL – DOPE TANK, PUMP AND SPINNERET

## OVERVIEW

The Tech Inc. Pilot Hollow Fibre Spinning Line spins hollow-fibre membranes at pilot scale by dry-jet wet spinning. Dope and bore fluid are metered through a spinneret, the fibre passes through an air gap into a coagulation bath, and godet rollers and a winder take it up at controlled speed.

## MODELS AND CONFIGURATIONS

- **Single-spinneret line** – process development.
- **Multi-spinneret line** – pilot production.
- **Dual-layer spinneret** – composite fibres.

## TYPICAL DESIGN DATA

| | |
|---|---|
| **Line speed** | Up to about 50 m/min |
| **Dope tank** | 5 to 50 L, heated |
| **Spinnerets** | Single, multi or dual-layer |
| **Air gap** | Adjustable, 0 to 30 cm |

## APPLICATIONS

UF, MF, gas separation and contactor membranes; scale-up from lab spinning to pilot production.

## KEY ADVANTAGES

- **Controlled spinning** – pumps, air gap, baths and speeds all set
- **Scalable** – same settings as production
- **Complete** – from dope to wound fibre

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

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