PRODUCT DATASHEET

Lab Wet Spinning Machine

Polymer fibres from solution





DETAIL – COAGULATION BATH

OVERVIEW

The Tech Inc. Lab Wet Spinning Machine spins fibres from polymer solutions into a coagulation bath, then draws and winds them at controlled speed. It is used for acrylic, cellulose, chitosan, graphene and other fibres that cannot be melt-spun.

MODELS AND CONFIGURATIONS

- **Single-bath machine** – basic wet spinning.
- **Multi-bath machine** – coagulation, wash and draw baths.
- **Heated draw** – hot draw for stronger fibres.

TYPICAL DESIGN DATA

Spinneret	Single or multi-hole
Bath	About 1 m, glass or stainless
Take-up speed	Up to about 30 m/min
Draw ratio	Adjustable by godet speeds

APPLICATIONS

Fibre research, regenerated cellulose, conductive and graphene fibres, biopolymer fibres and teaching.

KEY ADVANTAGES

- **Small batches** – starts with a few millilitres of dope
- **Controlled draw** – godet speeds set fibre strength
- **Compact** – fits a standard lab bench

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

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