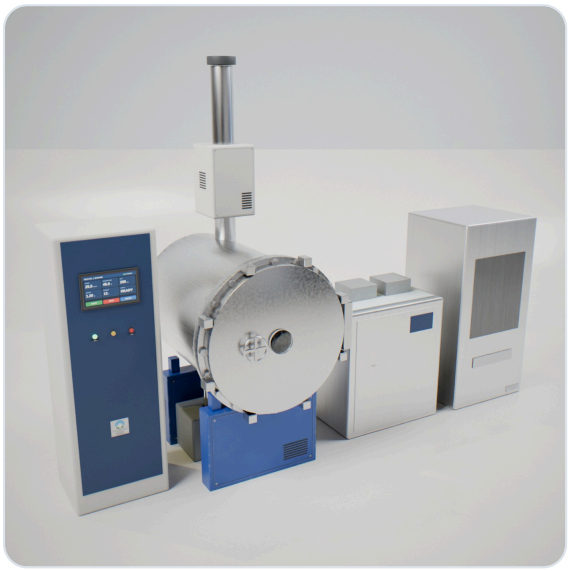
PRODUCT DATASHEET

Spinning-Pack and Filter Cleaning Unit

Vacuum pyrolysis, ultrasonic and rinse cleaning for packs and melt filters

Product page





Close-up: vacuum pyrolysis oven door and control panel

OVERVIEW

The Tech Inc. Spinning-Pack and Filter Cleaning Unit cleans spinnerets, spin-pack parts and melt-filter candles and discs so they can be used again. Polymer is first removed in a vacuum pyrolysis oven, which burns it off without damaging the metal; the parts are then washed in alkaline and ultrasonic baths, rinsed with high-pressure water, dried and checked on an inspection microscope or bubble-point tester.

TYPICAL DESIGN DATA

Pyrolysis	Under vacuum, about 400 to 500 °C, with programmed ramps
Off-gas	Afterburner or wet scrubber
Washing	Heated alkaline and ultrasonic baths in 316L
Rinse	High-pressure water
Inspection	Microscope and bubble-point test for filter elements
Control	PLC with cleaning recipes and batch records

MODELS AND CAPACITIES

- **TI-SPC-150** – chamber about 150 L
- **TI-SPC-400** – chamber about 400 L
- **TI-SPC-800** – chamber about 800 L
- **TI-SPC-L** – complete line, sized to the plant

Indicative oven chamber size.

ORDERING CODE

Example **TI-SPC-400-L-B**: **400** oven chamber, L; **L** scope: L complete line, O oven only, U ultrasonic station; **B** options: B bubble-point tester, S solvent unit.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: bubble-point tester; inspection microscope with camera; solvent cleaning unit; loading trolleys and baskets; operator training.

KEY ADVANTAGES

- **Gentle** – vacuum pyrolysis without oxidising the metal
- **Complete** – pyrolysis, washing, rinse and drying
- **Proven clean** – inspection and bubble-point test
- **Clean exhaust** – afterburner or scrubber on the oven

How to cite: Spinning-Pack and Filter Cleaning Unit (model TI-SPC; Tech Inc., Vaughan, Ontario, Canada). www.techincresearch.com/product-page/spinning-pack-cleaning-unit

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

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Data are typical; final design to client specification.