High Temperature Constant Thickness Flim Maker

Enables preparation of reproducible thickness polymer films with melting points up to 400°C.

Features

- Controlled temperature up to 400°C.
- Produces 15, 25, 50, 100, 250 and 500 micron films, 29mm diameter.
- Complete film production in typically 10 minutes
- Digital display of sample and set temperatures.
- Integral heating and cooling systems.
- Quick fitting non drip water connections.
- Temperature cut-out switches, guards and low voltage safety.
- Digital sample and set temperature displays.

Applications

- Quality control analysis of polymers.
- Beads, foam, fibres and powders.
- Thermal properties of polymers.

Transmission measurements on thin films are one of the most efficient ways of analysing polymers and additives in the infrared. Sample preparation for this technique has been the most critical factor in its success. The High Temperature Film Maker is the quickest and most convenient, direct method of solvent free sample preparation.

The High Temperature Film Maker prepares re-producible thickness films from 15 to 500 microns from polymers with melting points up to 400°C. Finished films can be prepared in as little as 10 mins.