

Poster MS12

Supercritical Drying Equipment for Aerogels Materials: from Lab to Industrial Scale

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High-quality aerogel-like materials are being prepared worldwide from laboratory to semi-industrial scale, according to several different processes leading to different material shapes and characteristics adapted to various applications. Based on our expertise in supercritical fluid processes and equipment, we present the two most common supercritical drying processes:

- High Temperature Supercritical Drying (HTSCD),
- Low Temperature Supercritical Drying (LTSCD);

and the optimal routes that we consider to implement these processes.