

LARGE-SCALE SUPERCRITICAL FLUID APPLICATIONS

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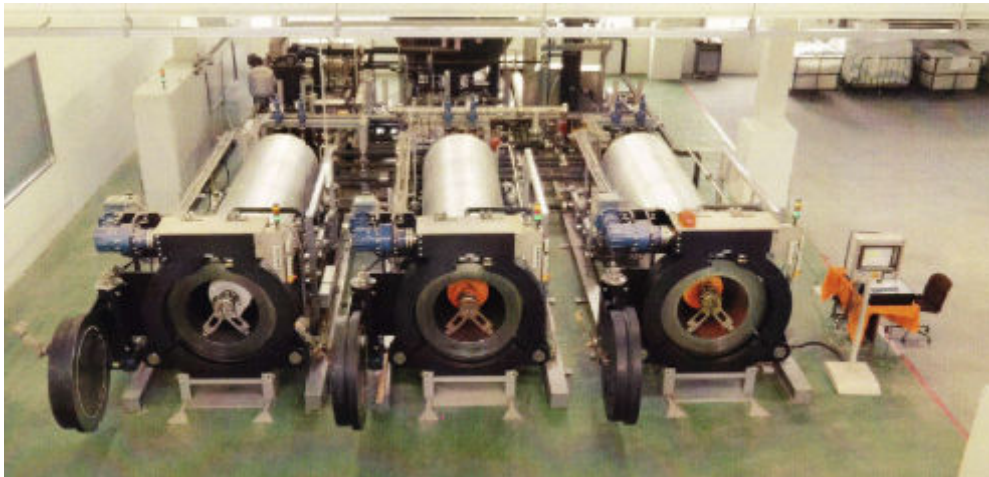
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ABSTRACT

Although most large-scale applications of supercritical fluids consist in extraction of natural products in solid form, we wish to present industrial development of different processes and applications:

- ***Ceramics debinding*** to drastically reducing the binder elimination duration and improving parts quality;
- ***Textile Dyeing*** without CO₂ as vector and eliminating water consumption and pollution (see below photo of a three-autoclave dyeing machine now operating in Taiwan: FeyeCon-DyeCoo process);
- ***Textile dry cleaning*** avoiding organic solvents.
- ***Foodstuffs Drying*** while preserving their organoleptic and biological quality.
- ***Encapsulation*** of active compounds into carriers for preparation of innovative cosmetic ingredients.



(Courtesy of DyeCoo)