



DID YOU KNOW

IRL has developed a standalone portable supercritical fluid extraction plant that can be leased by clients.

Natural product companies looking to add value to existing product streams or quickly bring new ones to market can hire the unit, known as SuperEx.

SuperEx leverages IRL's extensive expertise in supercritical fluid extraction – a process that uses carbon dioxide and other gases at high pressure to extract valuable compounds from natural materials.

Because this is a low temperature process that leaves no solvent residue, it is ideal for producing high-value products for cosmetic, food and pharmaceutical applications.

SuperEx is suitable for operation in food grade premises and can be used by companies to manufacture concept products in their own registered facilities for evaluation.



WHAT DOES THIS MEAN?

Hiring SuperEx enables companies to evaluate and gain familiarity with supercritical fluid extraction technologies, while avoiding the significant capital investment normally associated with pilot-scale development.

SuperEx also enables rapid and low-cost prototyping of new products and provides information for process scale-up. This can

potentially cut several years off product development time and provide a faster route to market.

