Retrofit

Supercritical extraction pilot unit originally designed for the extraction of solid raw material and prepared for the retrofit for the continuous extraction of liquid raw material. The picture shows the multi-purpose unit after the extension. In this case the electrical part and the interface connections were already prepared in the first step.

■ Scale-up module for high-pressure micronization. Process optimization was made on a SITEC pilot unit for RESS and GAS process (as shown on page 5). Scale-up was achieved by increasing the number of optimized spray nozzles in one spray column. Stainless steel rack for aseptic environment.

Pilot unit for the extraction of caffeine from coffee beans which was adapted for the extraction from tea leaves with water saturated carbon dioxide.



Retrofit of a column module for continuous extraction of liquid raw material implemented 2 years later. First part of the unit built in 1997 for the extraction of solid raw material.





Extension for the treatment of tea leaves.

Technical upgrading and extension of existing high-pressure pilot units.

First section built for the extraction of caffeine.