



FAURE
ÉQUIPEMENTS
EQUIPMENTS
FAURE

Research and Development Department

A LABORATORY ENABLING:

• IDENTIFICATION OF THE PROPERTIES OF SLUDGES AND PRODUCTS

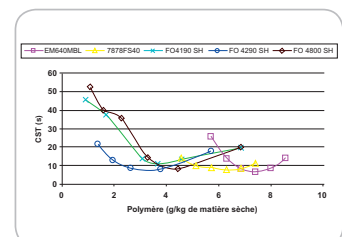
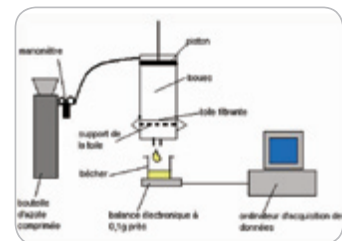
Faure Equipements has equipment to identify the properties of the sludges and products to be dewatered (Jartest, measurement of CST, suspended matter, dryness, etc.). We also have a compressibility chamber complying with standard NFT 97-001. This equipment, with computerised data acquisition, makes it possible to determine the parameters that characterise the dewatering phases (maximum dryness, compressibility, specific strength of the cakes).

• CONDUCTING PILOT TESTS IN THE LABORATORY

The laboratory filter press we have designed and developed enables the dryness, density and filtration times to be determined, using a small volume of sludge (a few litres). It also allows dewatering tests to be conducted on membrane plates or specific phases (for example cake drying and washing).



Maximum dryness chamber



Acquisition of results

INDUSTRIAL TESTS

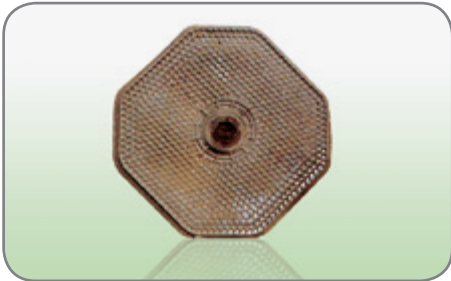
• INDUSTRIAL PILOT



Where the volumes justify it or where industrial scale tests are essential, we have several test platforms which can be easily transported within France or abroad. This equipment is fitted with the latest technology (membrane plates, automatic cake discharge system) and can be used to conduct all operations which can be carried out on a filter press. Combined with complete conditioning systems on a skid, these test platforms constitute real industrial test beds.

The following parameters are checked:

- For conventional dewatering
 - Pressures
 - Flow rates
 - Results (dryness, density, productivity)
- For developing the processes
 - Parameter for extraction by washing/blowing
 - Water and air pressure and flow rate required
 - Results (residual humidity, rate associated with washing/blowing, etc.).



• LABORATORY SERVICES

With the different laboratory equipment or mobile test platforms, we can provide a full range of expertise to solve your filtration problems and to optimise the existing lines,

- check the dewatering options for your products and guarantee the results,
- research new conditioning systems.

• FULL-SCALE TEST ON MOBILE FILTER PRESS

Standard mobile filter press unit for 2,800 litres of cake per cycle



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