Sanchez Technologies

SDS 1000
Solid Detection System



Thermodynamic

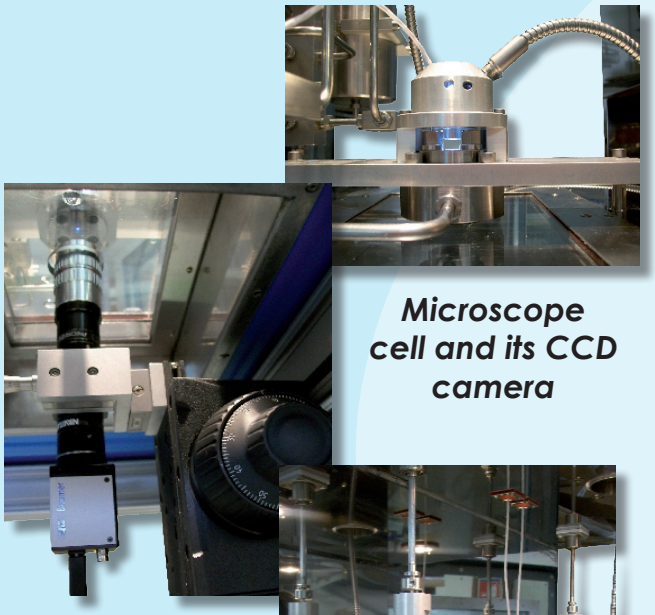
Generalities

SDS 1000

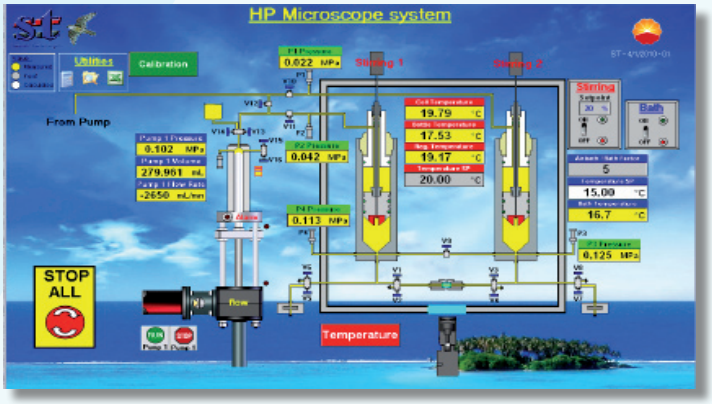
The SDS 1000 has been designed to perform analysis on solid deposition (asphalten, hydrate, scale). It is composed, in add of the microscope cell, a CCD camera and software, light source and a set up control system.

The microscope cell has been specially design with two opposite sapphire windows: one for the light source and the opposite one for the CCD camera. The distance between the sapphires can be adjusted in order to be in accordance with the visual analysis of the fluid and its viscosity. The surface of the visual sampling is 5 mm x 3 mm.

Others methods detection can be installed: absorbtion scattering light system or one of the two buffer cells, and a filtering system.



Microscope cell and its CCD camera



Synoptic on Falcon®

ST SANCHEZ TECHNOLOGIES - SAS au capital de 52 000 € -
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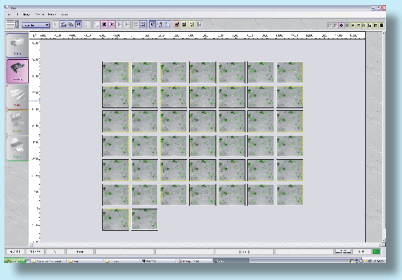
Dynamic mode

1


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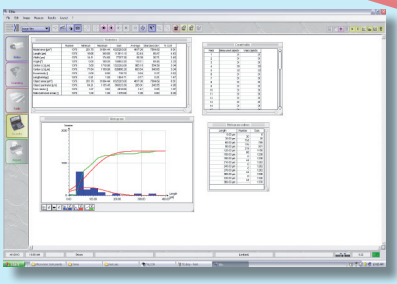

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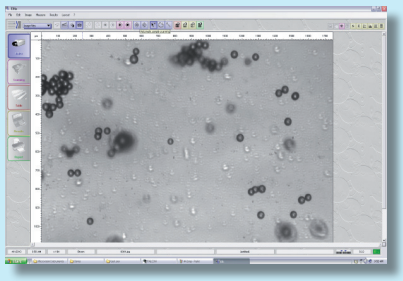

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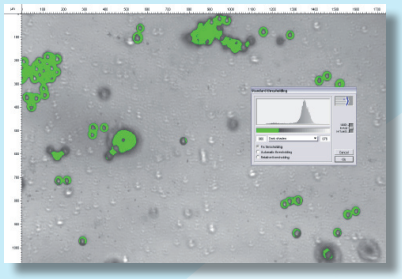

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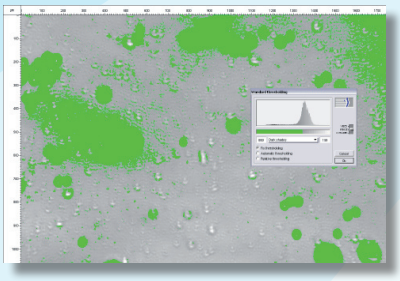

1: Until 1000 frames could be stored in constant flow mode
2: Particles size distribution can be analysed. Size and number of particles can be plotted in function of pressure and temperature.
3: View of asphaltene
4: Crystallization. View of wax and asphalten
5: View of wax crystallized

Features

- Working pressure.....100 MPa
- Temperature range.....-40°C to 200°C
- Surface of the visual sampling...5 x3 mm
- Windows space....0.1 to 1 mm (adjustable)
- Microscope zoom..... 20 to 400 times
  1 cm on screen = 10 µm

Our services

- Equipement delivered with 1st calibration
- Starting and training provided
- Maintenance contract Intervention within 2 to 5 days according to the country
- Immediate assistance by phone or email

ISO 9001 BUREAU VERITAS Certification

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