

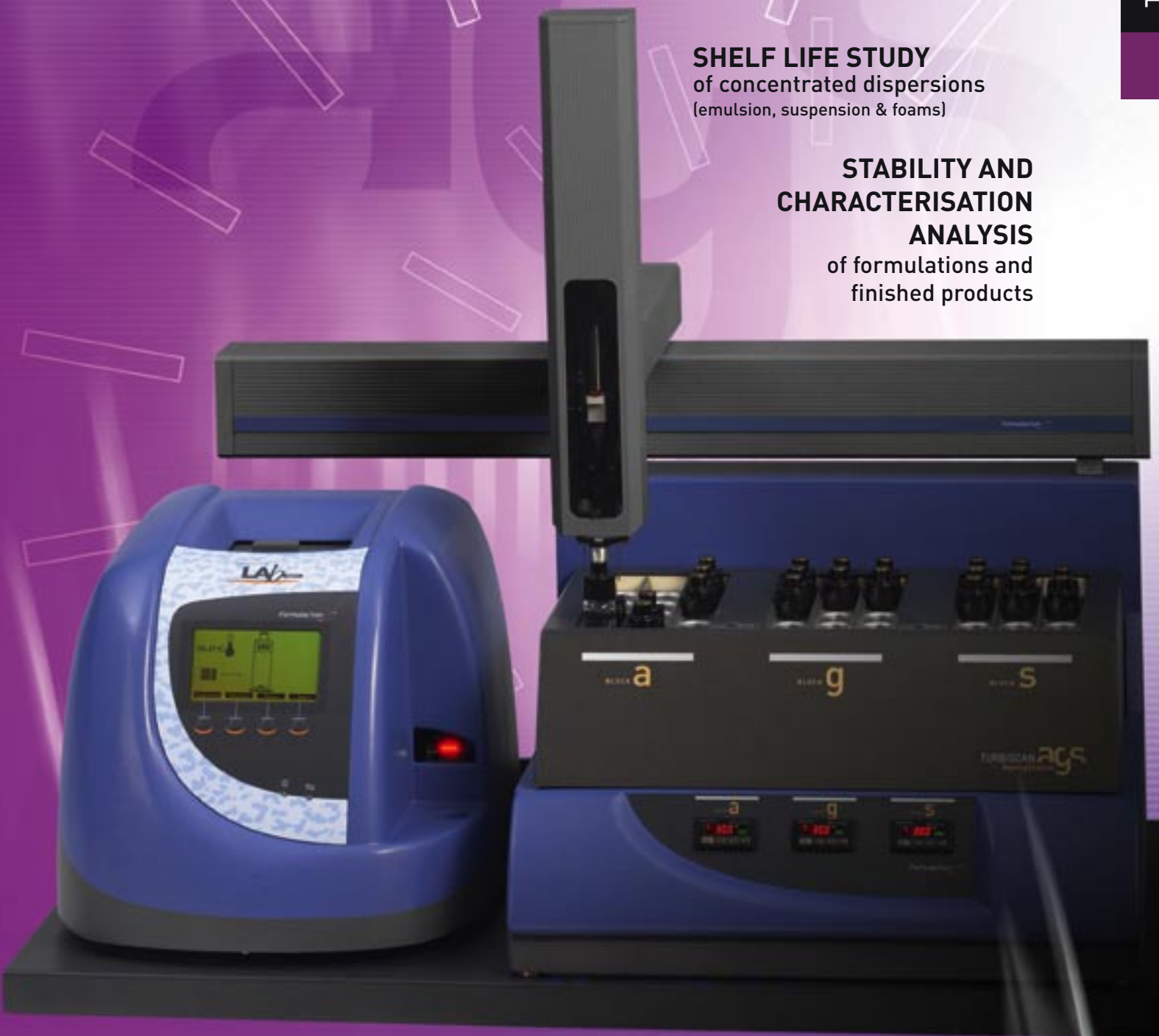
THE FULLY AUTOMATED
AGEING STATION

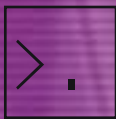
TURBISCAN **ags** Ageing Station

SHELF LIFE STUDY
of concentrated dispersions
(emulsion, suspension & foams)

**STABILITY AND
CHARACTERISATION
ANALYSIS**
of formulations and
finished products

TURBISCAN **AGS**™





Testing large number of formulations is the best way to find the right product.

Ageing tests are an essential part of the development of a product.

Quality control is a key step to ensuring that you deliver reliable products to your customers.

THE TURBISCAN AGEING STATION THE FULLY ANSWERS

Analysis report

Sample	Sample name	Sample ID	Sample description
Sample 1	Sample 1	Sample 1	Sample 1
Sample 2	Sample 2	Sample 2	Sample 2
Sample 3	Sample 3	Sample 3	Sample 3
Sample 4	Sample 4	Sample 4	Sample 4
Sample 5	Sample 5	Sample 5	Sample 5
Sample 6	Sample 6	Sample 6	Sample 6
Sample 7	Sample 7	Sample 7	Sample 7
Sample 8	Sample 8	Sample 8	Sample 8

1.

The Turbiscan ags is the **TIME SAVING ANSWER** to your stability analyses.

Sample sorting out

- Work 24 hours a day, 7 days a week.
- Quick validation of your new formulations (high throughput screening).
- Quick release of your production batches.
- Several users working simultaneously.

Sample visualisation and selection





Robot
24 hours a day/ 7 days a week
Safe sample handling



Storage Unit
54 samples
Up to 3 different
thermocontrolled blocks
(Room temperature to 60°C)



Scanning



Automatic sample identification
(bar code reader)



Embedded computer
Automatic measurement
Automatic data processing
Automatic report

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3.

The Turbiscan ags is the **FULLY AUTOMATED ANSWER** to your stability analyses.

2.

The Turbiscan ags is the **SAFE ANSWER** to your stability analyses.

- Traceability of the results.
- Reproducibility of the analysis (automated measurements).
- Safe measurements (bar code reader, fast and smooth movements of the robot...)
- Objectivity of the analyses.

- Automatic handling and measurements, (flexible program by group, 3 thermoregulated storage units).
- Automatic processing of the data, customised to your product.
- Automatic sorting of your samples, with criteria you are interested in (phase thickness, l*)
- Automatic reporting, with just the information you need.



FEATURES

SAMPLING

- 20 ml disposable glass cell (external diameter: 27.5 mm, height: 70 mm)
- Disposable stopper with metal plug and butyl/PTFE seal.
- Cells can be used at up to 100°C and can be centrifuged at up to 2000G.
- Cell holder to fill the cells easily.

STORAGE OF THE SAMPLES

- 54 thermoregulated block spaces.
- Up to 3 different temperatures (from Room Temperature to 60°C).
- Sample recognition with bar code and labels.

TURBISCAN LAB ANALYSER

- Vertical scanning of the cell (1 acquisition every 40µm). (a brochure is available on demand)
- Acquisition of backscattering and transmission profiles (Emission: pulsed near infrared light source (880 nm), detection: photodiode).
- Thermoregulated instrument (from Room Temperature to 60°C).

AUTOMATIC ANALYSIS

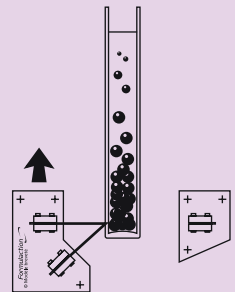
- Embedded computer (Windows 2000).
- Flexible program for each group (frequency and duration of analysis, priority level, set beginning of analysis).
- Multi-user simultaneously.
- Automatic data processing.
- Automatic sorting of the results.
- Automatic edition of the report.
- Capacity superior to 54 samples, using "one run" option, with storage outside the station.
- Exportation of the data via network or removable disk.

ADDITIONAL FEATURES

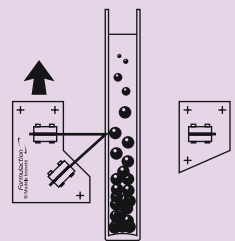
- Individual processing of the data, for in depth study, via Turbiscan LAB^{Expert} software.
- Use of the Turbiscan LAB^{Expert} outside the Ageing Station.
- Flat screen.

TURBISCAN TECHNOLOGY

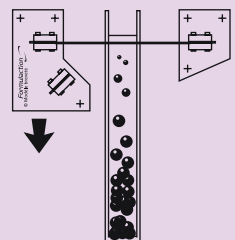
1. Backscattering



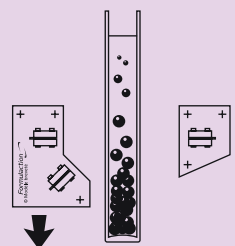
2. Backscattering



3. Transmission



4. Initialisation



DISTRIBUTOR	Formulation	
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