

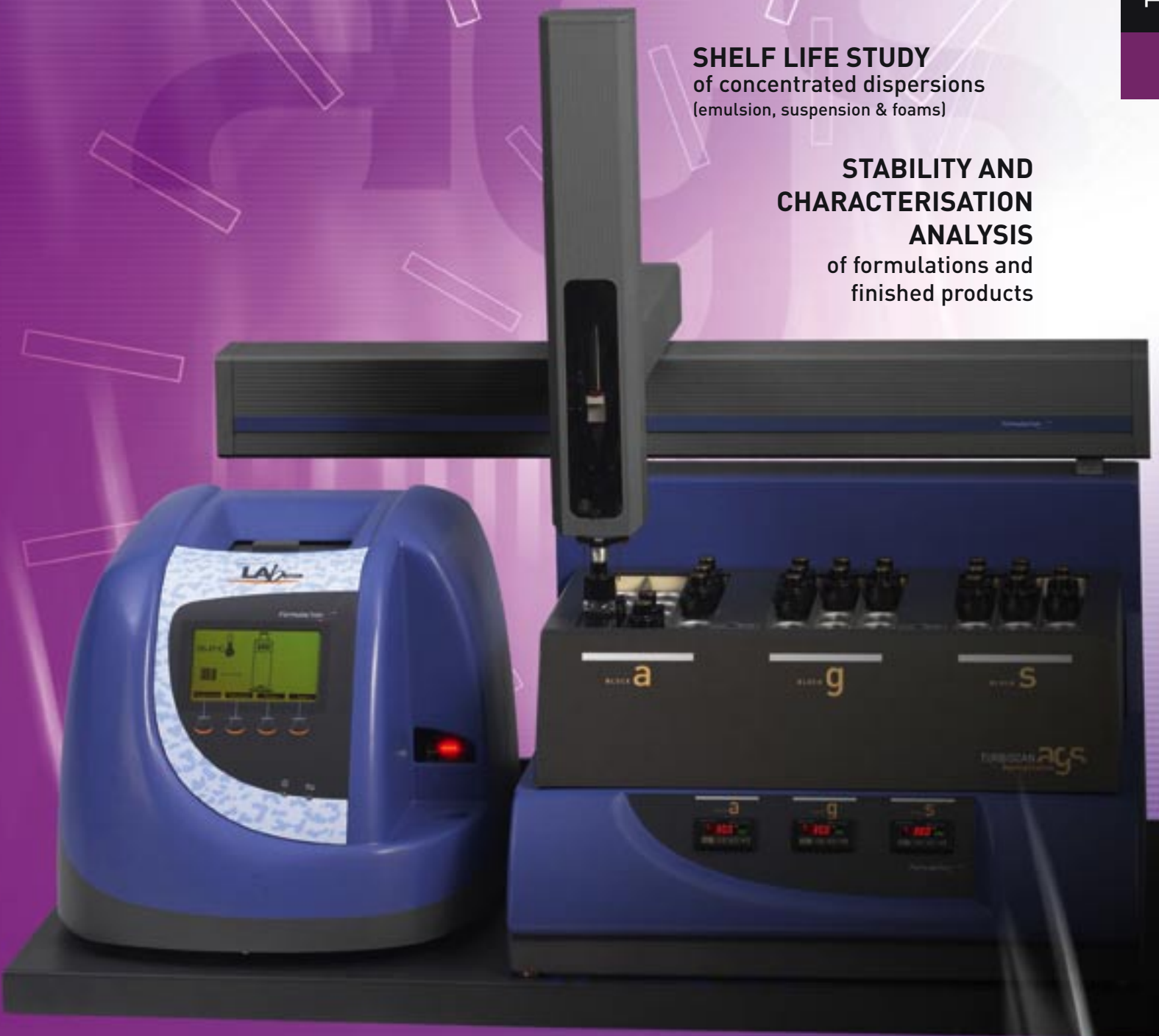
THE FULLY AUTOMATED
AGEING STATION

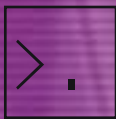
TURBISCAN **ags** Ageing Station

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

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

TURBISCAN **AGS**™





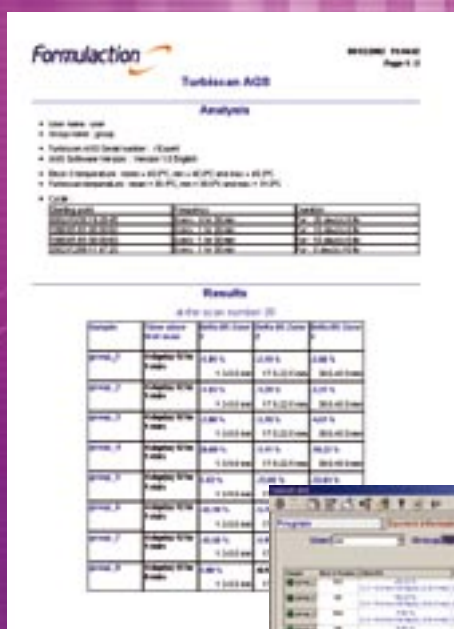
Testing large number of formulations is the best way to find the right product.

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 sorting out



Sample visualisation and selection



1.

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

- 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.

Scanning

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)

Automatic sample identification
(bar code reader)

Embedded computer
Automatic measurement
Automatic data processing
Automatic report

IS AUTOMATED WER

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.

3.

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

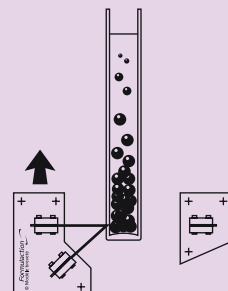
- Embedded computer (Windows 2000).
- Flexible program for each group (frequency and duration of analysis, priority level, set beginning of analysis).
- Multi-user simultaneously.
- Automatic data processing.
- Automatic sorting of the results.
- Automatic edition of the report.
- Capacity superior to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

ADDITIONAL FEATURES

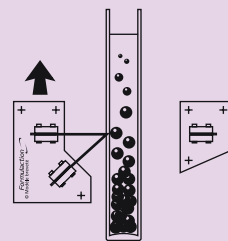
- Individual processing of the data, for in depth study, via Turbiscan LAB^{Expert} software.
- Use of the Turbiscan LAB^{Expert} outside the Ageing Station.
- Flat screen.

TURBISCAN TECHNOLOGY

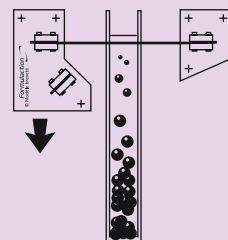
1. Backscattering



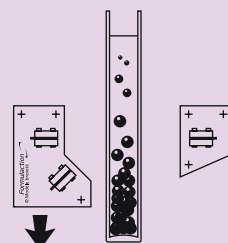
2. Backscattering



3. Transmission



4. Initialisation



DISTRIBUTOR

Formulation

10 impasse Borde Basse
31240 L'Union (Toulouse)- France
Tel. +33 (0)5 62 89 29 29
Fax +33 (0)5 62 89 29 20
www.formulation.com
faction@formulation.com