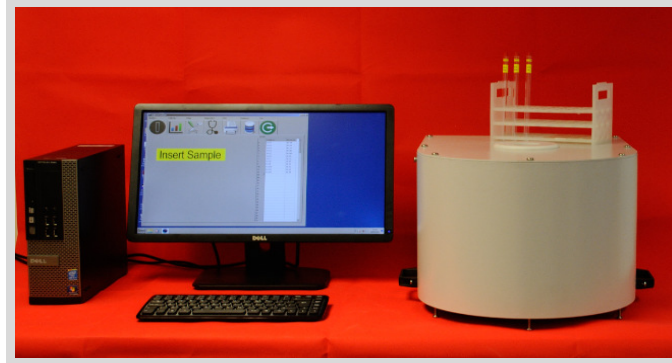


## ***R2 SFC Analyzer***



*Time Domain Magnetic Resonance (TD-MR) is a rapid, non-destructive technique that can be used to measure solid fat content (SFC). The technique is used to measure the relaxation times of hydrogen atoms within the fat. The relaxation times vary depending on the nature of the local environment. Atoms located in rigid environments have short relaxation times, in environments where they are more mobile the relaxation times increase.*

*Fats typically contain two different phases, a solid phase in which the relaxation time is short, and an amorphous or liquid phase in which the relaxation time is long. The TD-MR method can separate the signals from each phase, measuring the solid fat content.*

*Key Features of R2 SFC Analyzer Include :*

- *High Throughput Low Cost Measurement Method*
- *User Friendly Simple Calibration and Measurement*
  - *Non Destructive and Operator Independent*
- *Standard Methods Including AOCs and ISO Available*
- *Automation Option Reference Standards Available for The Direct Method*

***Contact Advanced Magnetic Resonance Limited for More Information Regarding the Use of R2 SFC Analyzers for Solid Fat Content Analysis***

## ***Introducing Advanced Magnetic Resonance Limited ...***

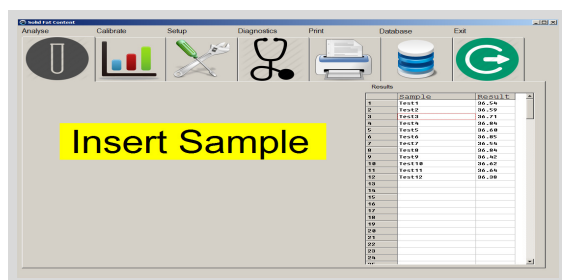
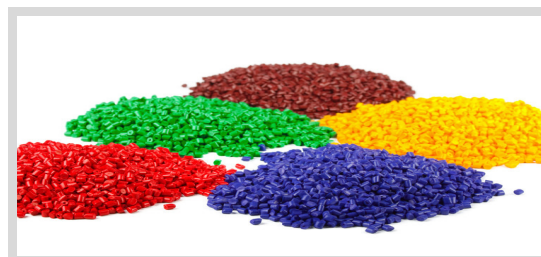
*Since 2005, Advanced Magnetic Resonance Ltd has provided instrumentation and consultancy to a wide variety of industrial and research customers involved in the application of NMR (Nuclear Magnetic Resonance). AMR staff have over 50 years' experience in the design and application of the NMR technique in a wide variety of applications including petroleum (exploration and production), FMCG and the medical device industries. Our state of the art solutions are backed by customer support that we consider second to none.*

***Please direct any enquiries to [enquiries@admagnes.com](mailto:enquiries@admagnes.com) or your local distributor.***



*Comprehensive PC operated benchtop quality control analyser range, with sample sizes from 10 mm to 60 mm. VT (variable temperature), gradient and balance options with calibration standards.*

*Instrument includes MR applications suite including SFC measurement, polymer and emulsion characterisation, oil/fat content measurement and oilseeds.*



*User friendly operating software with calibration and measurement facility, instrument diagnostics and results compilation. Searchable results database.*

*For more information on TD-MR quality control solutions, Contact Advanced Magnetic Resonance Limited.*

