

Merrow Scientific

Ben Proudlove

*UK representative for a number of overseas
manufacturers of laboratory instrumentation*

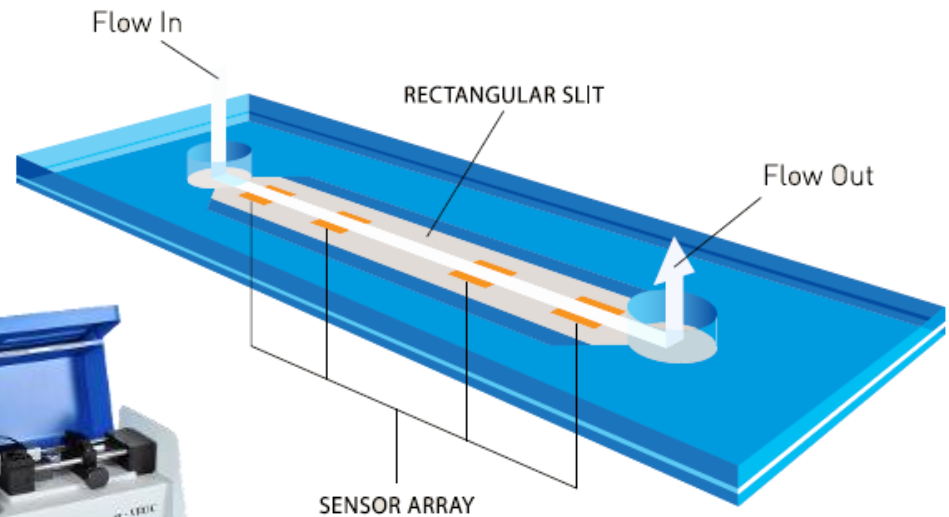
*Focus on materials and particle
characterisation*

Spotlight on: Rheosense, LS Instruments (DWS
Rheolab) and Willow Analytical

Rheosense

Combination of modern MEMS technology with well proven scientific methodology for measuring viscosity

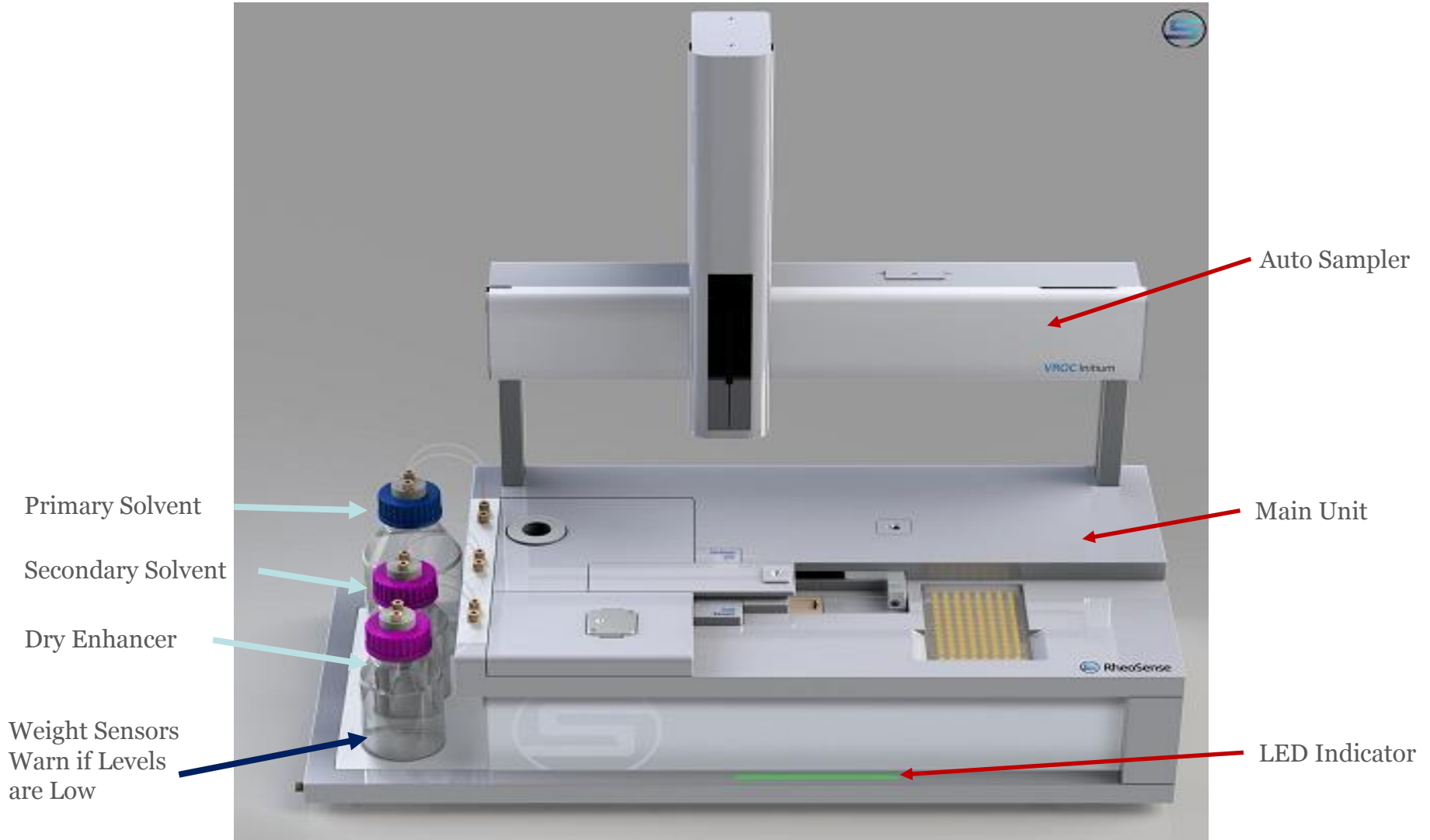
- Microvisc
- m-VROC
- Extensional e-VROC



Rheosense Initium

- Builds on success of m-VROC
- High throughput automatic viscometer
- Shear rate and temperature sweeps
- 10 μ l of sample
- 40 vials/96 well plate
- 1 – 1,600,000 1/s shear rates
- 0.2-100,000 cP
- Temperature range 4-70 °C and heated sample area
- Automated cleaning
- Multi-sweep shearing (backwards and forwards through cell)





LS Instruments

DWS light scattering micro rheometer:

- Measure rheology over wide frequency range within minutes
- Non-contact – no cleaning/contamination
- Re-measure samples easily over time for stability measurements
- Multiple scattering technique is versatile and can be used on a wide range of materials
- Small sample size (150ul)





Willow Analytical Ltd

Sister company offering flexible laboratory services including contract testing, consultancy, instrument servicing and support for:

DSC, DMA, TGA, Viscosity, Rheology and Thermal Conductivity

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