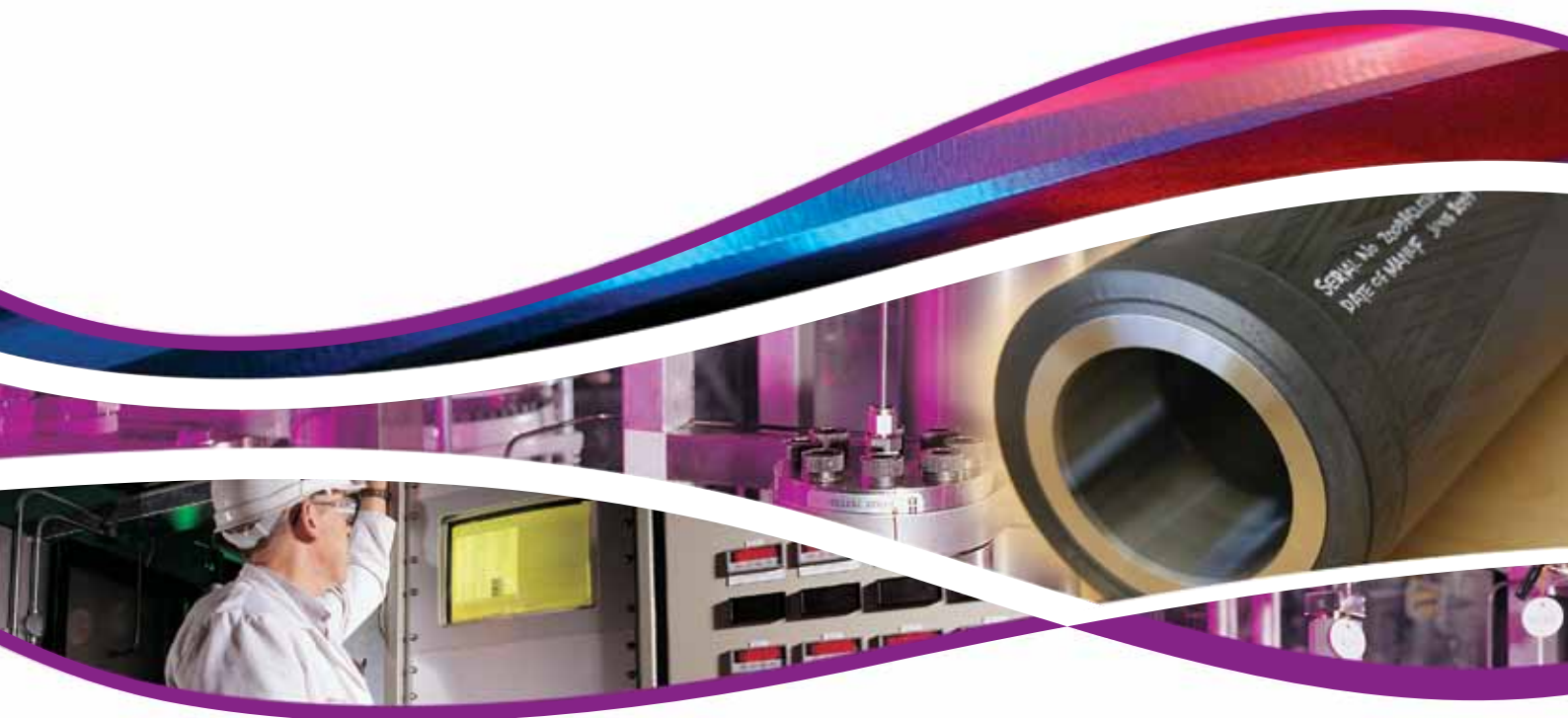




**STRATA**  
TECHNOLOGY LTD

# Core Analysis Instruments



your  
ideas

our  
solutions

# Core Analysis Instruments



## Applications

- Carry out steady/unsteady state two phase relative permeability tests at reservoir conditions
- Perform core flood studies including miscible flood tests
- Perform water/oil and gas /oil relative permeability tests.

## Key features

- Multiple fluid delivery system
- Operating at down hole reservoir conditions
- Accurate temperature measurement with real time data logging
- High accuracy dual cylinder fluid pump
- Integrated heating and cooling circuits
- Over-temperature and over-pressure safety features
- Configurable data logging
- Corrosion resistant materials.

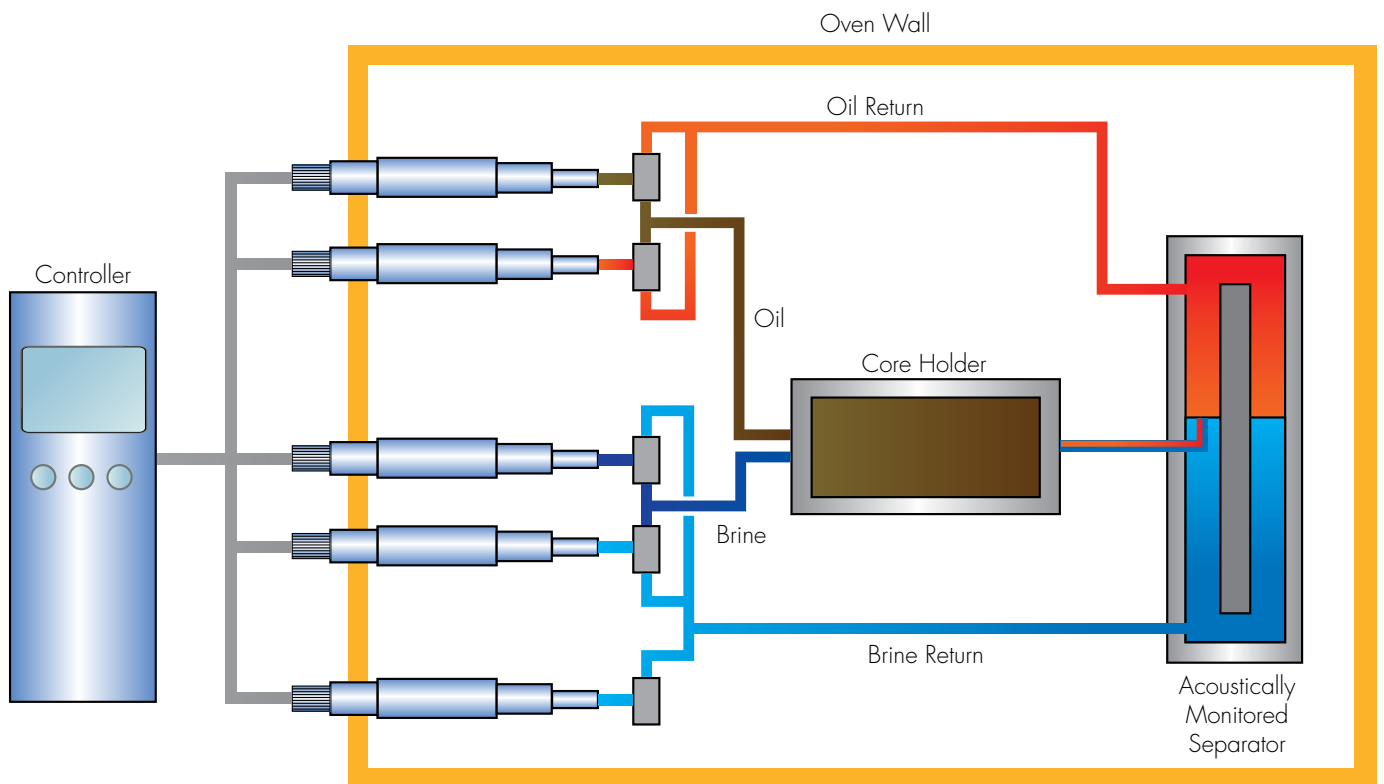
## Design

The Miscible Flow System (MFS) consists of the fluids pumps, piston transfer cells, optional automatic and/or manual valves for directing flow, differential pressure system, acoustic separator, core holder to accommodate 1.5" diameter cores (with option of rotating core holder frame to put the core holder in vertical or horizontal position), visual cell, and digital back pressure regulator.

## Two Phase Miscible Core Flooding System (MCFR)

Enhanced Oil Recovery (EOR) is an increasingly important aspect of oil field reservoir management, especially as existing fields mature. Every additional percentage of recovery can add tremendous value to a producing field. This system is designed to perform various miscible flooding tests to evaluate the oil recovery efficiency of CO<sub>2</sub>, water or other fluid injection at reservoir conditions.





## Composite Core Holders

### Specifications

- Maximum working pressure 820 barg
- Maximum working temperature 165°C
- Designed for industry standard core size  
- 1.5" diameter, 300mm long
- Manufactured from high strength T1000 carbon fibre
- PED approved
- Optimised for transparency.

***We design and build innovative small-scale installations and the working relationships to get the best from them. It's our attention to detail and extensive past experience that guarantees you superior data and results.***

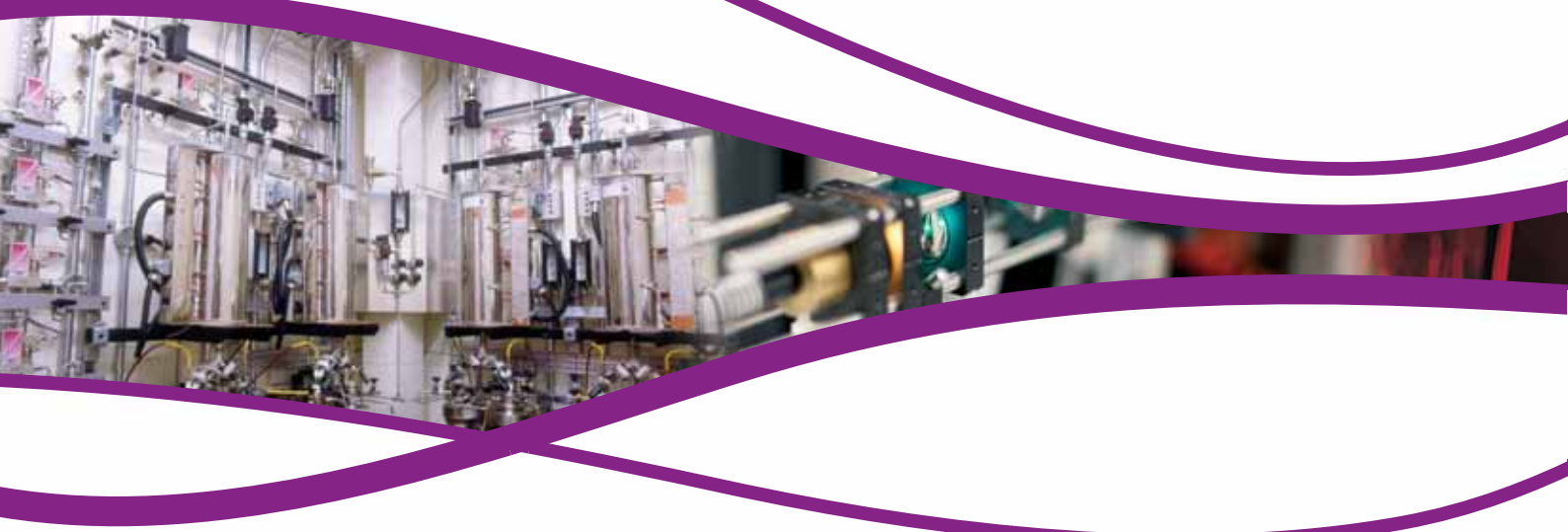




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