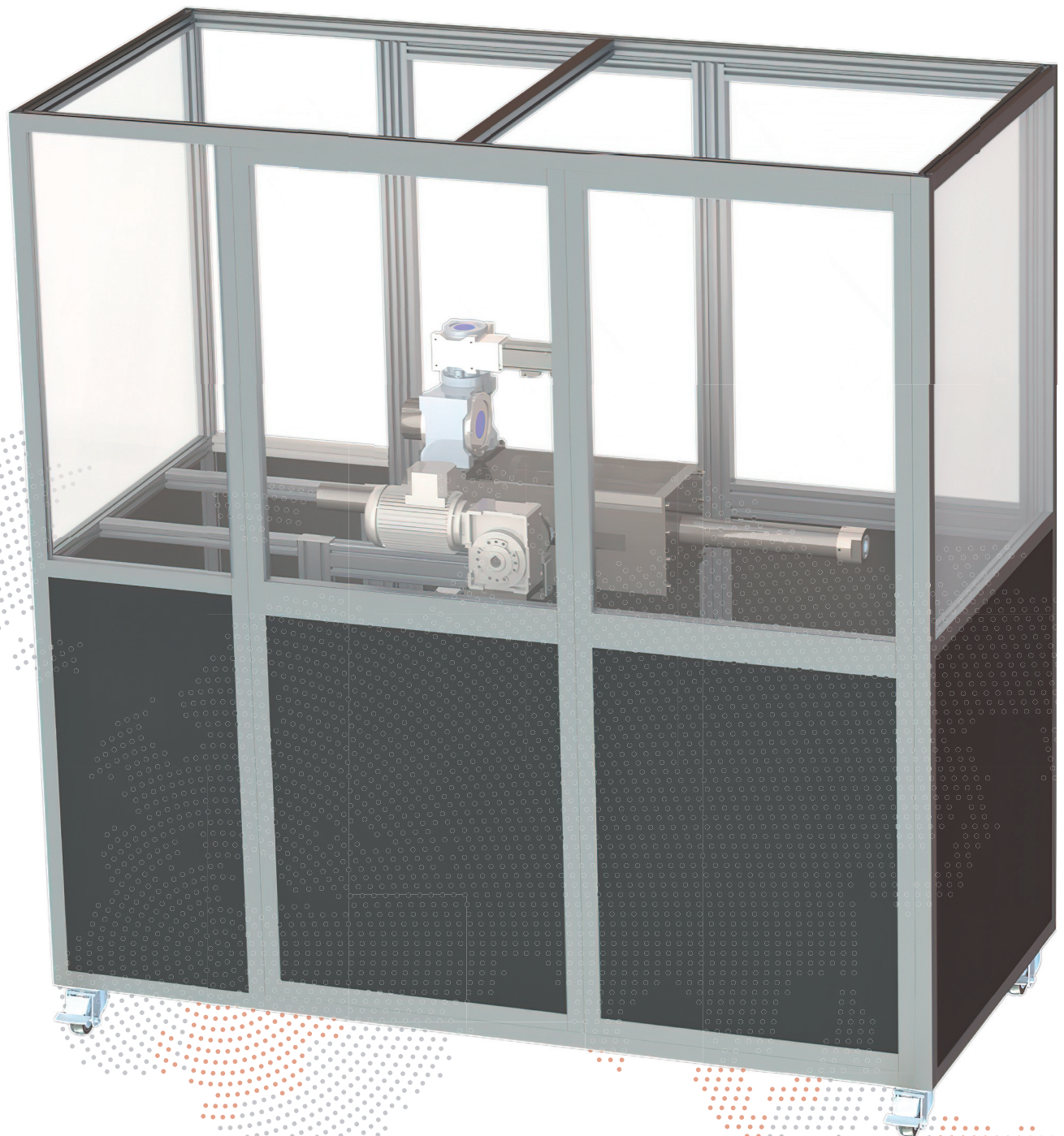




TECHNICAL DATA SHEET

PVT ANALYSIS SYSTEM

Carry out fully automated
phase behaviour studies





GENERAL FEATURES

The visual PVT (Pressure Volume Temperature) Analysis System consists of a 500 ml view cell with integrated directly-driven high precision piston.

An integrated stirrer ensures proper mixing of fluid samples and fast equilibration. The full fluid volume is visible by camera. PVT measurements can be combined with (optional) features such as density meter, gas chromatography, gas meter or viscometer.

Specifications	
Maximum Working Pressure	500bar (other ranges upon request)
Maximum Working Temperature	Ambient to 200°C
Cell Volume	500 ml (other volumes upon request)
Pressure Accuracy Temperature	0.01% of full scale
Accuracy	±0.1°C
Wetted Material	High Grade Stainless Steel (Titanium optional)

Measurement Capabilities	
Dew Point Pressure	Bubble Point Pressure
Constant Composition Expansion (CCE)	Z Factor
Pressurised Densities and Viscosities	

Features	
High-precision displacement pump	Cooling system (optional)
360° rotation	Fluid composition (optional)
Corrosion resistant magnetic stirrer	Density measurement (optional)
Fully automated analysis software and imaging	Viscosity measurement (optional)
Full cell volume visibility	
Automated valves	
Housing for operational safety	

ABOUT US

Based in Goslar at the Energy Research Centre of Lower Saxony (Germany), FluidicsLab's activities focus on experiments with hydrogen, carbon dioxide, and gas mixtures in compliance with the highest HSE standards. Being a leading high-pressure, high-temperature (HPHT) technology provider for PVT, IOR/EOR, and new energy applications, we help energy companies and research organisations globally speed up lab routines at a significantly reduced cost