



PRESS RELEASE

New System for High Pressure Reaction Screening

Asynt has developed a novel **high-pressure reactor array** that integrates directly with their **Integrity 10 Reaction Station**, enabling scientists to undertake 10 independently pressurised reactions (up to 100 barg) in parallel.

The Integrity 10 Reaction Station is designed to carry out up to ten individual reactions, each with independent temperature control between -30 °C and +150 °C, making it perfect for Design of Experiments (DoE) testing. In chemical development, DoE protocols have become a reference method to speed up reaction optimization, since it allows the assessment of a large number of reaction parameters through a small number of experiments.

Integration of the new high-pressure reactor array module enables scientists to run a mix of reactions simultaneously, with each experiment receiving different conditions. This extends the utility of the Integrity 10 reaction station, maximising efficiency and saving precious fume hood space. Manufactured as standard from durable 316 Stainless Steel - Asynt is also able to fabricate the system from exotic alloys such as Hastelloy or Inconel.

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Using the Integrity 10 reaction station allows scientists and engineers to design automated reaction profiles for each individual experiment; with variation in temperature, pressure, stirring and time. All data is captured and recorded electronically and stored automatically.

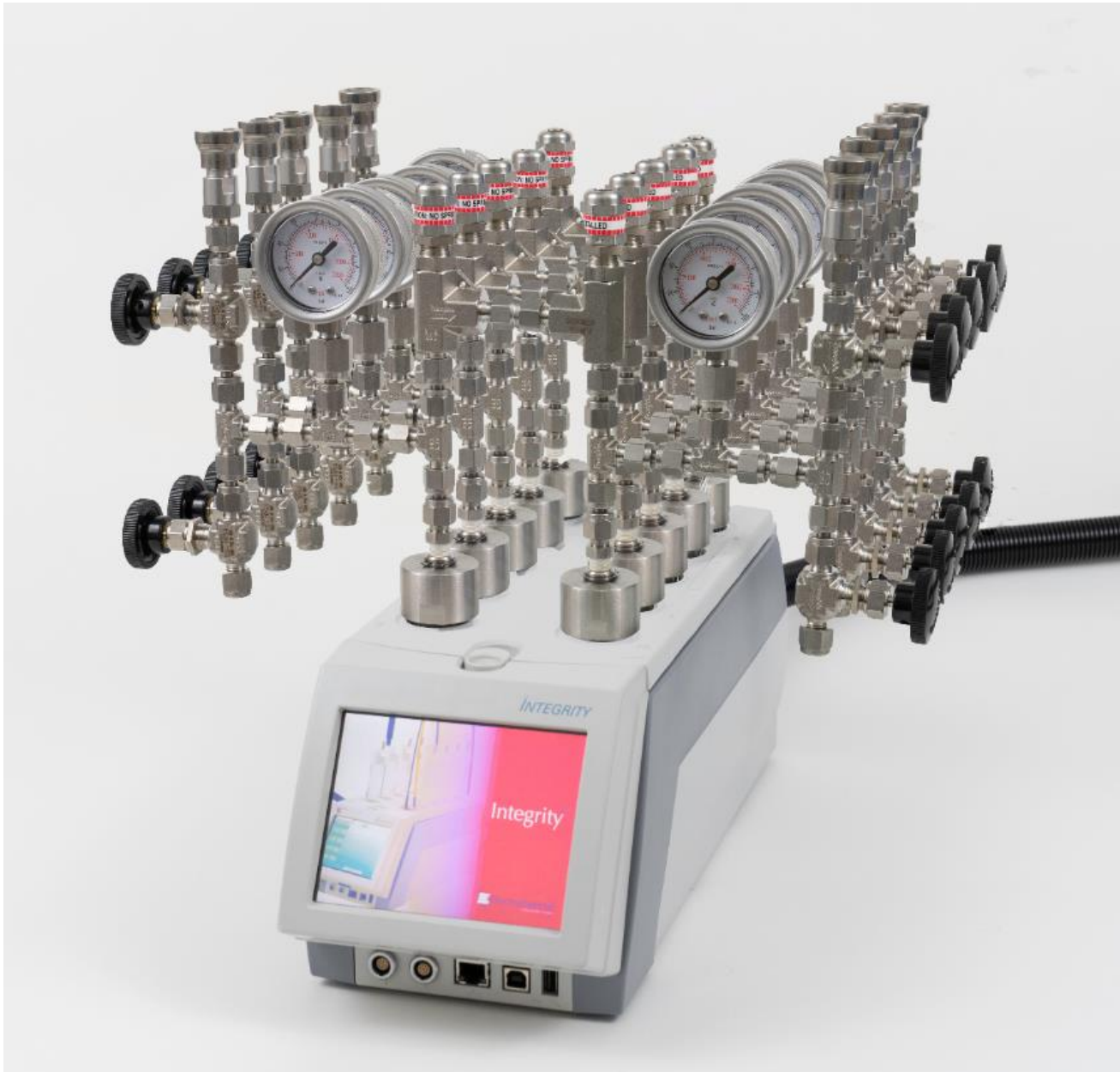
For further information on the **Integrity 10 Reaction Station and high pressure reactor array** please visit <https://www.asynt.com/product/integrity-10-high-pressure-module/> or contact Asynt on +44-1638-781709 / enquiries@asynt.com.

Asynt is a leading supplier of affordable products, consumables and services for chemists in industry and academia. With staff of trained chemists - Asynt can draw upon this in-depth applications knowledge to provide a high level of customer support for its DrySyn Heating Blocks, Controlled Lab Reactors, Synthesis Tools, Evaporators, Circulators, Temperature Control Systems, Vacuum Pumps and Lab Safety Equipment.

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Illustrative image:



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