

## *Novel High Pressure Reactor Array*

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



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### **The Integrity 10 Reaction Station**

is designed to carry out parallel 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 conducted under 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.

### **Using**

the Integrity 10 reaction station allows scientists to design automated reaction profiles for each individual experiment; with variations in temperature, pressure, stirring and time possible. 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](mailto: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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### **Worldwide HQ**

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