

## PRESS RELEASE

### **Flexible Device for Screening Chemical Reactions Under High Pressure**

The **Multicell PLUS** is an exciting addition to the **Asynt** range of pressure reactors, offering scientists an extremely **flexible and customisable device** for **screening chemical reactions under high pressure conditions**.

With its own unique safety-locking mechanism and robust, adjustable support frame / lifting platform option, the Multicell PLUS high-pressure reactor sets a new benchmark for operator safety, all-round accessibility and ease-of-use.

Dr Mike Kenny of Asynt commented "The Multicell PLUS boasts an almost endless number of design combinations that gives the user complete flexibility when it comes to running parallel high-pressure reactions. As a chemist I really appreciate how the new Multicell PLUS allows you to set up different experimental options on each of the systems 8 reaction cells. Drawing upon the extensive capabilities of our UK manufacturing facility, and the expertise of our technical team, we are able to specify and custom-manufacture every Multicell PLUS so that it exactly meets the needs of each customer".

Manufactured from 316 stainless steel, the Multicell PLUS standard unit operates up to 50 barg

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and temperatures up to 200 °C. For more demanding chemistries Asynt offers options for the system to be manufactured from alternative materials which are able to withstand highly corrosive / caustic chemicals, and for increased operational conditions up to 200 barg and temperatures in excess of 300 °C. While the Multicell PLUS accommodates 8 x 30 mL cells as standard, options are offered for 4-, 6-, and 10-cell arrangements with individual cell volumes up to 100 mL. Motor-driven magnetically coupled overhead stirring is also offered as an option for more viscous reaction mixtures. The entry-level Multicell PLUS permits a common gas inlet supply allowing for a single gas inlet and connection to all vessels. Optional independent isolation of each cell offers ability to charge each vessel with a differing chemistry and pressures without cross contamination between cells. Users can choose from a range of options available for heating and cooling reactions on the Multicell PLUS.

To watch a video introduction to the Multicell PLUS please visit <https://youtu.be/Y7aFeop0DGY>. For further information on Multicell PLUS please visit <http://www.asynt.com/product/multicell-plus/> 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.

**OCTOBER 2020**

**asyntpr112.doc**

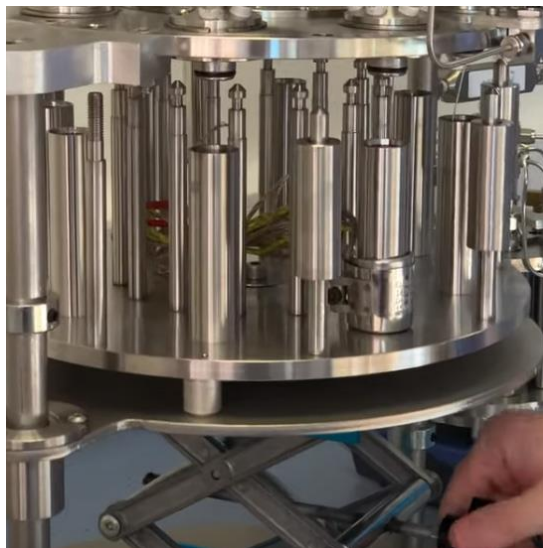
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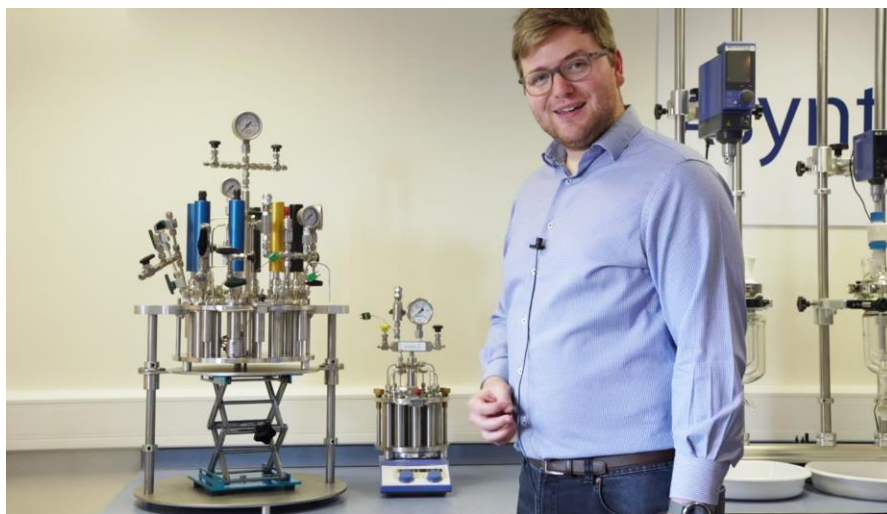
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## Illustrative images:



Caption: Multicell PLUS and close-up of easy-to-use support frame / lifting platform option



Caption: Demonstration of Multicell PLUS and easy-to-use support frame / lifting platform option

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