PRESS RELEASE

## Entry Level Flow Reactors for Synthetic Development

**Asynt** announces their exciting new flow-chemistry platform, the **fReactor**, an affordable device created to bring the many advantages of flow chemistry to your laboratory through easy-to-use, flexible and intuitive design.

Developed in collaboration with chemists and chemical engineers from the renowned Institute of Process Research and Development (iPRD) at the University of Leeds (UK), the fReactor is simple to assemble and modify, making it suitable for a wide range of continuous-flow processes.

Professor John Blacker, Head of the iPRD commented “Our continuous stirred tank reactor design overcomes the limitations of tubular flow chemistry systems, most notably the fReactor allows both single and multiphasic reactions to be carried out across a range of residence times”. He added “With the fReactor, just add a hotplate and pump and you are ready to start investigating flow chemistry experiments. Because of its’ low price and total operating volume of just 10ml, the fReactor is an ideal device for laboratories wanting to evaluate the many advantages of small-scale flow chemistry”.

**Asynt Ltd**
Unit 29 Hall Barn Road Industrial Estate Isleham Cambridgeshire United Kingdom CB7 5RJ
T: +44 (0)1638 781709 F:+44(0)1638 781706 sales@asynt.com www.asynt.com

Registered office: Eldo House, Kempson Way, Bury St Edmunds, Suffolk, IP32 7AR Registration No: 5160407
VAT No: GB 838 5592 82

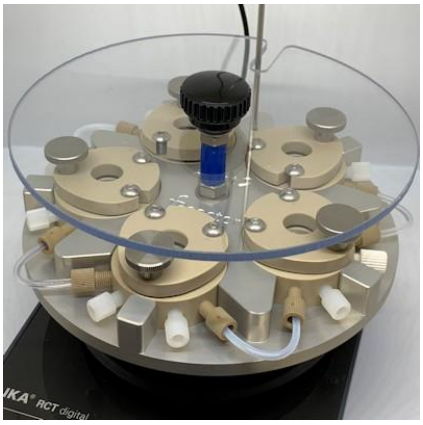
Integrating the efficiency of pipe-flow processing with the advanced mixing of a continuous stirred tank reactor, the fReactor provides chemists with a versatile “plug-and-play” setup allowing exploration of continuous-flow processing, with little expertise required.

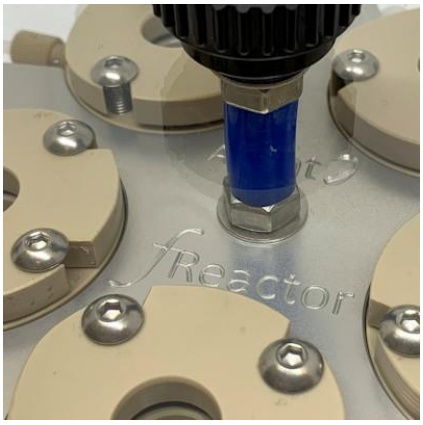
The fReactor platform comprises of 5 modules, which combine to give a reaction zone delivering a good residence time distribution. These interconnected modules are located on a metal heat-transfer baseplate which sits on conventional laboratory hotplate-stirrer. Nikil Kapur, Professor of Applied Fluid Mechanics based at the School of Mechanical Engineering, commented ‘With mixing in each zone, the fReactor offers outstanding flow chemistry reaction flexibility. Multiple ports allow telescoping of reactions, sampling or integration of sensors within the reactors. Robustly constructed, the fReactor is both easy to use and simple to clean.’

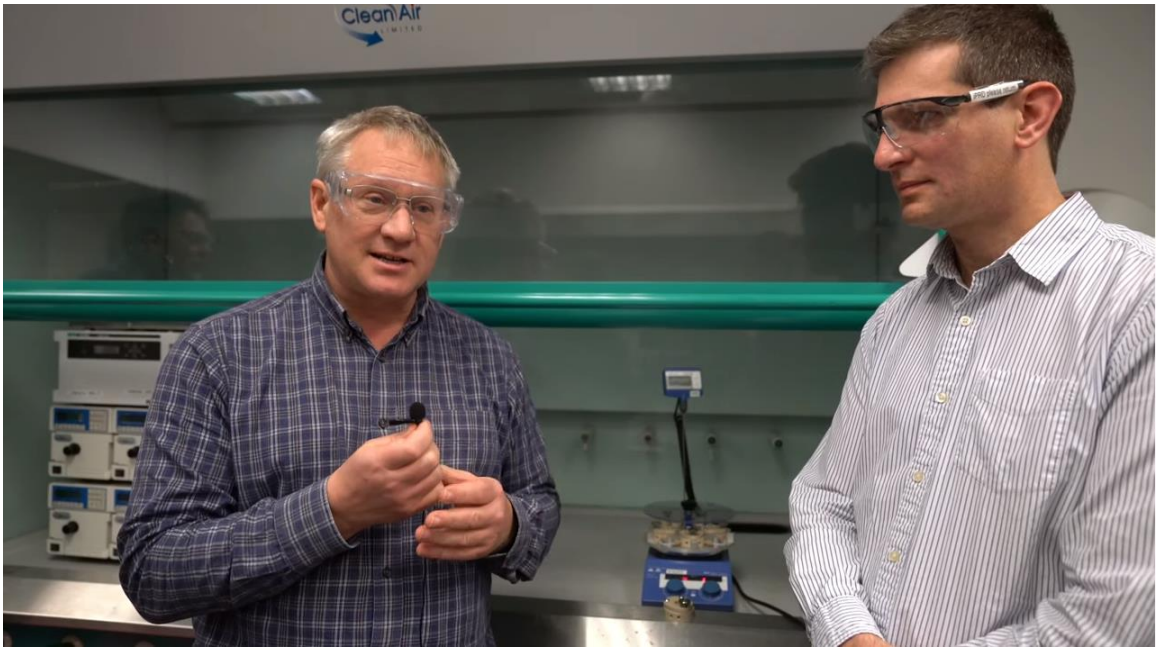
For further information on the fReactor platform please visit www.freactor.com, watch the introductory video at https://youtu.be/I7NREkvxpL0 or contact Asynt on +44-1638-781709 / enquiries@asynt.com.

Asynt is a leading supplier of affordable products, consumables and services for chemists in industry and academia. With staff of trained chemists - Asynt is able to 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 Laboratory Safety Equipment.

**Illustrative images**: (available on request)






**JANUARY 2019** **asyntpr90.doc**

**Asynt Ltd**
Unit 29 Hall Barn Road Industrial Estate Isleham Cambridgeshire United Kingdom CB7 5RJ
T: +44 (0)1638 781709 F:+44(0)1638 781706 sales@asynt.com www.asynt.com

Registered office: Eldo House, Kempson Way, Bury St Edmunds, Suffolk, IP32 7AR Registration No: 5160407
VAT No: GB 838 5592 82

*For more information please contact:*

Media: Dr Bill Bradbury +44-208-546-0869 / info@primetek-solutions.com