

## Game changing SmartChemistry® technology utilises clean heating system to unlock the power of quality data in the lab

**Asynt reports** how the **deepmatter® Group**, with facilities in the UK, France and Germany, have developed the cloud-based **SmartChemistry®** platform to share chemical reaction and sensor data direct from the laboratory to allowing analysis of this information on an unprecedented scale.

### This single platform

allows reaction data to be compiled from multiple data sources to provide a cleansed, harmonised, and categorised repository for the exploitation of reaction data through Application Programming Interfaces (APIs), search tools and Machine Learning (ML)/Artificial Intelligence (AI) learning. **Asynt reports** how the **deepmatter® Group**, with facilities in the UK, France and Germany, have developed the cloud-based **SmartChemistry®** platform to share chemical reaction and sensor data direct from the laboratory to allowing analysis of this information on an unprecedented scale.

This single platform allows reaction data to be compiled from multiple data sources to provide a cleansed, harmonised, and categorised repository for the exploitation of reaction data through Application Programming Interfaces (APIs), search tools and Machine Learning (ML)/Artificial Intelligence (AI) learning.



**Image:** eepmatter® SmartChemistry® technology used with DrySyn oil-free heating platform and Asynt hotplate kit.

### **Kate Rowley,**

Chief Business Officer at deepmatter®, commented “We knew when developing this system that it was essential to offer a complete solution to our customers that is easily accessible worldwide and enables scientists to get truly repeatable results. Due to the highly sensitive electrical components for data recording and reporting that the SmartChemistry® system uses, it was equally as important to keep that apparatus free of potential contaminants and safety hazards. Using the DrySyn oil-free heating block platform and magnetic hotplate stirrer kits from Asynt is ideal for SmartChemistry® with consistent, effective heating and agitation throughout the course of each reaction. These tools continue to play an essential role in our laboratories, enabling a higher level of experimentation when combined with our empowering data system.”

### **Asynt Ltd**

Unit 29 Hall Barn Road Industrial Estate Isleham Cambridgeshire Vereinigtes Königreich CB7 5RJ  
T: +44 (0)1638 781709 F: +44(0)1638 781706 enquiries@asynt.com www.asynt.com



**Joel Aleixo,**

Marketing Manager, explained that by bringing together this repeatable and proprietary data with widely available and effective tools such as DrySyn oil-free heating blocks they can improve the productivity, discovery, and sustainability of chemical reactions. The data system also enables the prediction of synthesis for novel molecules that scientists want to prepare, thus offering great value via the reduction of time and chemical waste, support for decision making, and improving optimisation processes.

**For further information**

on the DrySyn oil-free heating block platform please visit <https://www.asynt.com/products/benchtop-synthesis-tools/drysyn-range/> or contact Asynt on +44-1638-781709 / [enquiries@asynt.com](mailto:enquiries@asynt.com).

**Asynt Ltd.**

is a leading supplier of chemistry equipment for scientists in industry and academia. With a sales team of trained chemists, Asynt draw upon their in-depth application knowledge to provide a high-level of customer support for its oil-free DrySyn Heating Blocks, CondenSyn waterless condensers, turn-key & bespoke solutions for Controlled Lab Reactors, Flow Chemistry apparatus, Photochemistry systems, Synthesis Tools, Evaporators, Temperature Control Systems, Vacuum Pumps and Lab Safety Equipment plus more.

**deepmatter®**

is a big-data and analysis company focused on enabling reproducibility and predictability in chemistry, supported, and advised by some of the best minds in the industry. For more information visit <https://www.deepmatter.io/>

-----

**Worldwide HQ**

**Asynt Ltd**

Unit 29, Hall Barn Industrial Estate  
Isleham  
Cambridgeshire CB7 5RJ  
UK

tel: +44-1638-781709

email: [enquiries@asynt.com](mailto:enquiries@asynt.com)

web: [www.asynt.com](http://www.asynt.com)

**Asynt Ltd**

Unit 29 Hall Barn Road Industrial Estate Isleham Cambridgeshire Vereinigtes Königreich CB7 5RJ  
T: +44 (0)1638 781709 F: +44(0)1638 781706 [enquiries@asynt.com](mailto:enquiries@asynt.com) [www.asynt.com](http://www.asynt.com)