



better chemistry – faster

HEL INNOVATIONS NEWSLETTER | JULY 2018

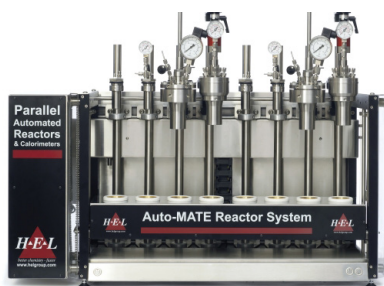
FOCUS ON: [AUTOMATE II // ACHEMA UPDATE // BATTERY SEMINAR // Events]

High Functionality Parallel Chemistry Platform With The AutoMATE II

HEL's AutoMATE II accommodates reactors with a large numbers of probes, condensers/valves/relief devices without a cluttered overhead and also allows extremely high or low working temperature operations for parallel process development. Not only does it accommodate these features but the AutoMATE II is easy and flexible to allow essential modifications. The Automate II is the successor to the original AutoMATE introduced 20 years ago which was one of the first parallel chemistry platforms on the market and is high specification brother of HEL's PolyBLOCK.



4 x 500 ml reactors with overhead stirring for organic synthesis with reflux, multiple liquid dosing, pH and turbidity monitoring on each reactor.



8 reactor system with both overhead and bottom (magnetic agitation) with range of reactor sizes. Temperature of up to 500 °C is possible.



Highly complex pressure reactors with overhead stirring as well as multiple probes (turbidity, pH, pressure) including as many as 4 different gases and 4 different liquids to each reactor.

ACHEMA 2018 (June 11th-15th), Frankfurt, Germany - Show Highlights



ACHEMA is one of the most important trade fairs in our market and provided us with a unique occasion to showcase our products and innovative technologies.

On show were our market leading parallel chemistry, flow chemistry and bioreactor solutions. This year visitors were able to try out and program all these systems with our intuitive software. And show how easy it was to configure the systems to any process requirement. With over 500 people visiting the HEL stand, taking the time to find out how they could enhance and speed up their processes and ultimately achieve **“better chemistry, faster”**.

The CEO of HEL, Dr Jasbir Singh also present at the stand and was thrilled at the number of visitors and their feedback:

“The ACHEMA 2018 exhibition was a great success for our company. We had so many people visit our stand with significant interest in both our chemistry technology and bioprocess systems. This year there has been a real buzz surrounding our high pressure solutions and exciting new developments in pressure bio applications including gas fermentation. HEL can be proud of being a continued global leader in the provision of chemical reactors and bioreactors.”





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Batteries, Super Capacitors, Fuel Cells & EV's Seminar Nov 26th - 27th 2018 With Shmuel De-Leon Energy Ltd

Shmuel De-Leon Energy Ltd



The seminar program focuses on present and future needs of portable and stationary electrochemical energy sources and highlights the latest technological developments designed to satisfy application requirements.

The program reviews primary, rechargeable, reserve batteries, fuel cells, ultra-capacitors systems and their accessories.

The seminar program reviews typical cycle life aspects of designing and manufacturing energy source solutions: from application energy requirements, power source electrical and mechanical design, cells selection, cells evaluation tests, battery prototype, acceptance tests, design and manufacturing techniques, testing, mass production, safety issues, transportation, use and disposal.

Special focus is given to battery design and testing aspects which are vital tools for battery solution.

The program trains attendees on safety issues along the energy source solution cycle life.

The program focuses on electric vehicle and Batteries, Super Capacitors, Fuel Cells and Metal Air systems for EV's.

Key Benefits

Batteries & Fuel Cells Seminar provides:

- | Full review of current and future electrochemical energy sources.
- | Training on cells selection, design, manufacturing, testing, safety, and transportation and disposal aspects of energy sources.
- | Basic knowledge for new industry members entering the field.
- | Expands the knowledge of industry members already working in the field.
- | Training on Energy Sources Database software – a vital tool for optimal energy source design.
- Single or Multiple high pressure bioreactors independent for every process parameter
- | 20 ml to 1 L fermentation volumes
- | Full automated monitoring and control of all conditions
- | Advanced gas mix and liquid feed strategies
- | Array of features to ensure complete user safety

For information and booking details:

<https://helgroup.com/marketing/batteries-and-fuel-cell-seminar-9th-10th-july-2018/>

Events: More At <https://www.helgroup.com/events/>

8th-9th October 2018

Macrocycles 2018 - 3rd RSC BMCS Medicinal Chemistry Symposium on Macrocycles

Further details:

<http://www.rsc.org/events/detail/30206/macrocycles-2018-3rd-rsc-bmcs-medicinal-chemistry-symposium-on-macrocycles>

Location: Stevenage, UK

16th-17th October

Gulf Coast Conference

Further details

<https://www.gulfcoastconference.com/>

Location: Galveston, Texas, USA

31st October - 1st November

Lab Innovations

Further details

<http://www.easyfairs.com/lab-innovations-2018/lab-innovations-2018/>

Location: Birmingham, UK



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