

March 2010

Volume 1, Issue 1

News and updates
from HEL Group

Process Chemistry News

HEL FACT FILE

Screening, Optimisation
& Scale-up tools from
HEL Group :-

- Over 20 years of experience, highly qualified staff and an enviable customer list
- UK based, with offices in US, India, China and Europe, as well as distributors in 15 more countries
- Offering adaptable, flexible and compact systems and solutions to process chemistry laboratories
- Products can be manual or fully automated, suitable for low or high pressure applications

BUSINESS IN BRIEF: HEL establishes new Chinese office

HEL Group took another step forward in recent months with the opening of the HEL Ltd Beijing Office, headed by Harry Yang. This adds to HEL's dedicated teams in Europe, the US and India, as well as a wide ranging global distributor network.

"It's no secret that science technology businesses are increasingly looking toward the Far-East as a growth market. We've been doing business in China through our UK headquarters for many

years, but now we can develop that business with dedicated support on the ground and in the native language" says Dr Jasbir Singh, HEL's Managing Director.

Most recently Harry (Yang Haipeng) held the positions of Chief Technology Official and Shanghai Office Director for Chinese scientific instrument distributor, Analyx Corporation, where he was introduced to HEL's process chemistry instruments. In 1990 he graduated from Jilin University with an Industrial Analysis degree and brings with him 10 years of laboratory work experience, as well as 9 years of sales, marketing and service management.



Harry Yang at HEL's new Beijing office

HEL Ltd, Beijing Office

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COMING EVENTS:

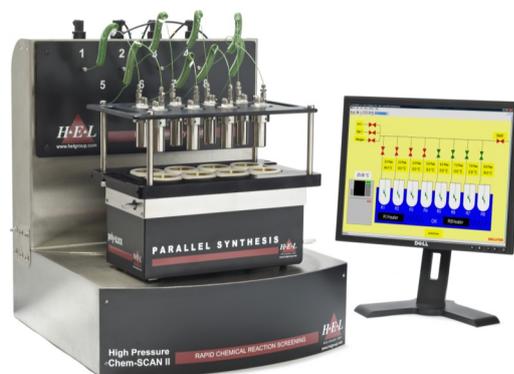
See our products, meet our staff and discuss your requirements at one of the following events: -

United States, Texas, 21-24 Feb
International Polyolefins Conference 2010

The Netherlands, Noordwijkerhout, 1-3 March
XIth Netherlands Catalysis and Chemistry Conference

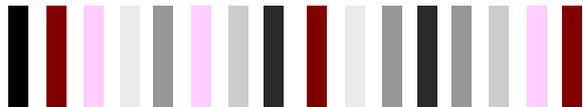
Germany, Weimar, 10-12 March
43. Jahrestreffen Deutscher Katalytiker

United Kingdom, Reading, 30-31 March
TAC 2010—Advanced Materials Development, Stability and Characterisation



Come and see our newly designed HP ChemSCAN in the coming events (see left), in Texas, Noordwijkerhout, and Weimar.





HEL Group

Better chemistry - faster

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PRODUCT IN BRIEF: CrystalSCAN - Solubility and MSZW now available online and in real-time

HEL's CrystalSCAN platform is now able to interpret experimental data "live" as the experiment is running. The platform permits either 4 or 8 different studies to be simultaneously monitored over a range of concentrations using working volumes from around 1ml upward - even 500 ml vessels can be used.

Barret at UCL Dublin(*) used a solvent/anti solvent combination on a commercial API to enhance quality by design (QbD). In the new

system, converting the recorded data to classic MSZW plot can be done live after each step or at the end of the experiment. Previously, the information had to be taken offline for analysis. Existing CrystalSCAN units can also be upgraded with this new feature.

(*) contact marketing@helgroup.com for the UCL Dublin Application Note "The Development of Solubility & Metastability Design Spaces"



TECHNOLOGY IN BRIEF: Getting more from early stage synthesis - accessible calorimetry from HEL

HEL's novel "On-line Calorimetry" package enables the extraction of calorimetry data, from any stage of the chemical development process and delivers the results in Real-Time.

Designed for use by early stage synthetic chemists; with just a few mouse clicks, existing workflows can be enriched with the early generation of process safety information. The system delivers information about end-of-reaction, changes in mechanism, influence on rate of temperature, and other relevant variables as well as thermal hazard.

Crucially, no specialist knowledge is required; the only input is a calibration parameter which can be selected from a built in library. Simple tools for extending the library (again, requiring no user knowledge) are included in the package. Implementation on HEL's single or multi-reactor platforms is possible as well as on other existing jacketed vessels.



Heat flow meter for on-line calorimetry

