

News and updates from HEL Group

HEL FACT FILE

Standard and customised solutions for process chemistry; HEL's modular chemistry platforms, designed by chemists and chemical engineers and supported by in-house mechanical, software and electronics engineering capabilities, allow us to offer cost effective systems with maximum flexibility.

Applications include: -

- Hydrogenation and catalysis
- Crystallisation and particle characterisation
- Parallel process development
- Calorimetry & hazard assessment
- Bench and kilo scale reactor systems

Process Chemistry News

BUSINESS IN BRIEF: HEL India beats the recession

As a result of continued growth, HEL India has taken up residence in their new premises in Mumbai. The new building combines a larger office space with modern laboratory, service facilities, and conference room for client training.

This significant investment in troubled economic times, is a testament to the continued growth and importance of Indian science and technology and to HEL's commitment to providing the best possible service to our valued clients in this important market.



New laboratory facilities for HEL India

HEL India...

Established for over a decade, with around 50 systems installed, covering the following: hydrogenation, calorimetry and safety, crystallisation and parallel reactor systems.

Clients include...

AstraZeneca	NPIL
CIPLA	Pfizer
DIVI	Syngenta
Dr Reddy's	And many more...
Johnson Matthey	

Contact Dinesh Malviya at HEL India :

401, Siddeshwar Arcade
Opp. Suraj Water Park
Ghodbunder Road
Thane (West)-400607, India

Email: info@helindia.com

URL: <http://www.helindia.com>

Tel: +91-22-22927171 / 25975110

Fax: +91-22-25975116

COMING EVENTS:

10th HEL Conference

29th July 2010, Hotel Royal Orchid Central, Bangalore, India

Calorimetry and Process Safety

Morning session will be dedicated to workshop and training, for those who wish to discuss applications or improve their basic understanding of the various products and processes. .

Afternoon session will be dedicated to a variety of lectures by HEL users as well as invited experts in the safety field. Topics will include thermal screening, reaction calorimetry, simplified on-line calorimetry, adiabatic simulation of process hazards and vent sizing introduction.

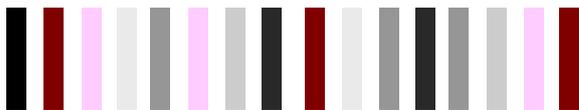
For further details, contact : Dinesh Malviya at HEL India (dmalviya@helindia.com)

HEL Marketing (marketing@helgroup.com)

**Book before June 15th
to save 20%**

Calorimetry & Process Safety

10th HEL User Conference
Hotel Royal Orchid Central
Bangalore, India
29 July 2010



HEL Group



Better chemistry - faster

UK HQ Address

HEL Ltd
9-10 Capital Business Park
Manor Way
Borehamwood, Herts
WD6 1GW, United Kingdom

Tel: + 44 (0)20 8736 0640
Fax: +44 (0)20 8736 0641
E-mail: marketing@helgroup.com

**Subscribe to our newsletter
@ www.helgroup.com**

US Office Address

HEL Inc
Princess Road Office Park
Suite 208, 4 Princess Road,
Lawrenceville, New Jersey,
08648 USA

Tel: +1 609 912 1551
Fax: +1 609 912 1552
E-Mail: info@hel-inc.com

China Office Address

HEL Ltd. Beijing Office
Rm A-1701, Bldg #1 Truth Zone
International Plaza
No.12, Zhong Guan Cun Sth St.
Haidian District, Beijing
China, Post code: 100081

Tel : +86-10-82101033
Fax: +86-10-82168022
E-Mail: harry.yang@helgroup-cn.com



better chemistry – faster

PRODUCT IN BRIEF: FlowCAT Continuous Flow Bench Reactor - safe and cost effective choice in lab scale fixed-bed hydrogenation

Flow chemistry is becoming an increasingly important weapon in the research chemists' arsenal¹. The introduction of the FlowCAT, delivers flow chemistry scale-up in a laboratory bench-top unit. In comparison to batch chemistry, flow systems can....

- improve temperature control
- increase viable pressure limits
- reduce chemical inventories
- enable faster optimisation
- quickly manufacture small amounts for trials

FlowCAT offers affordable high pressure flow chemistry

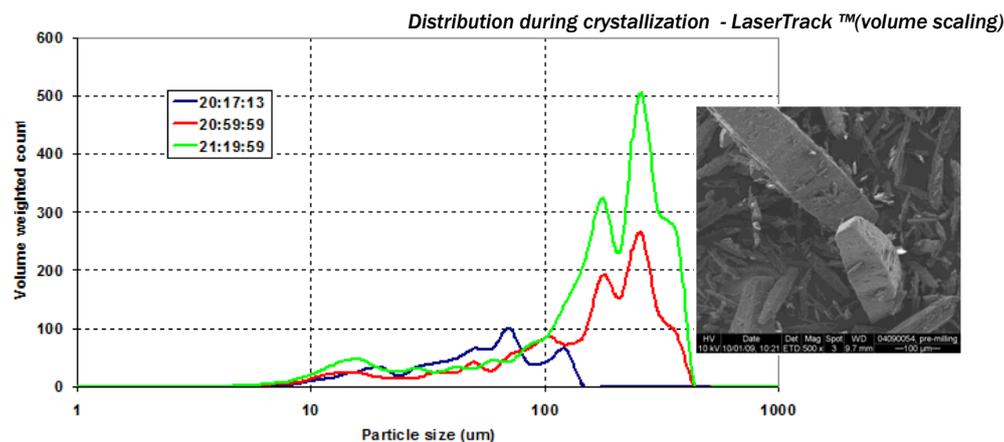
Recent trials at Eastman Chemical Company (TN USA) showed that the HEL FlowCAT system was able to simulate hydrogenation process condition to provide useful selectivity and activity information.

"The FlowCAT is easy to set up, the software system is easy to operate and the system is a useful and versatile tool for screening catalytic materials. Our trial revealed to us that this system is user friendly and one can run the reaction from a lap top computer very quickly." commented Stephen Perri, Research Chemist at Eastman.

1 J M Crow "Boosting the flow in Pharma's pipelines", Chemical World (RSC), June, 2008



TECHNOLOGY IN BRIEF: LaserTrack™ - looking closer to reveal the particle-trends



The LaserTrack™ is a laser reflectance particle sizing probe, employing leading edge technology. LaserTrack™ provides true size and distribution data and this enables accurate tracking of near-spherical and non-spherical particles with far greater clarity than devices such as the FBRM®(*).

In this example, a commercial API compound was studied and the LaserTrack™ provided remarkable insight shown by photographic evidence. Data from this and many other side-by-side comparisons with the FBRM®(*) is available upon request.

(*FBRM® is a Registered Trade Mark of Mettler Toledo International, Inc.

