

#### ADHESIVES

A COMPREHENSIVE RANGE OF TECHNICAL ADHESIVES FOR AUTOMOTIVE, ELECTRONICS & GENERAL MANUFACTURING INDUSTRIES

#### MICROELECTRONIC MATERIALS

ASSEMBLY MATERIALS AND MACHINE CONSUMABLES USED IN SEMICONDUCTOR, PHOTONIC AND HYBRID ASSEMBLY ETC.

#### MICROELECTRONIC EQUIPMENT

ASSEMBLY, TEST & INSPECTION EQUIPMENT FOR THE MICROELECTRONIC, PHOTONIC AND SEMICONDUCTOR INDUSTRIES

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# inseto

ADVANCED TECHNOLOGY FOR RESEARCH & INDUSTRY

## Connect Newsletter

Welcome to the seventeenth issue of our Company Newsletter "Inseto Connect", dedicated to providing information on new products, supplier & company news and technical announcements. We trust you find it both interesting and informative!

## Inseto Supports "Brains Unite"



Tony Brown's Fund Raising Sky Dive!

Following the loss of Pam Brown, a founder member of Inseto and wife to our Managing Director Tony Brown to a brain tumour in May 2011, Inseto has nominated its Charity for 2011-12 as Brains Unite, an umbrella fund raising group for the Samantha Dickson Brain Tumour Trust (SDBTT), the UK's leading charity dedicated to brain tumour research, information and support.

The Brains Unite group was set up in memory of Jim McVey, John Norman and Pam Brown who were all diagnosed in the spring of 2010 with grade 4 brain tumours and sadly lost their battles within 6 weeks of each other. They were three extremely courageous and brave individuals and their fighting spirit continues to be an inspiration to all who knew them.

This inspiration has led the friends and families to perform various fund raising activities, including a Santa Run, Gala Ball at Reading Football Club and a Sky Dive (Tony Brown pictured left), raising over £20,000 to-date. More information on the group can be found on the SDBTT website: <http://braintumourtrust.co.uk>

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## ACC Silicones Appoint Inseto

Inseto is proud to announce that it has signed an agreement to represent ACC Silicones in the UK, thereby adding to its existing adhesive portfolio.

ACC's family of silicone sealants, adhesives and gels nicely compliments DELO's extensive product range of light-cured epoxies & acrylics, die attach and chip encapsulation adhesives, heat-cured and cold-cured epoxies, and Anaerobics and Cyanoacrylates.



ACC Silicones Adhesives & Sealants

# New ATV Benchtop Vacuum Soldering System



ATV Vacuum Soldering System

ATV, the thermal transfer specialists have released a "Perfect Soldering", SRO700 tabletop model. The "Perfect Soldering" systems, solder reflow ovens (SRO) with rapid thermal annealing and brazing capability are IR lamp heated multi-purpose "cold wall" process ovens. The SRO700 is ideal for R&D, process development as well as for low to medium volume production.

Applications include: Die attach, IGBT/DBC Soldering, high vacuum encapsulation, MEMS and package lid sealing, wafer level packaging, Getter activation, alloying, wafer bump/solder ball reflow, diffusion bonding, CPV, thermo compression bonding and power solar cells etc.

The system is ready to use, out-of-the-box, incorporating PLC control, formic acid capability and diaphragm vacuum pump. The operating range is 450 to 750°C with a heated area of 230 x 217mm.

## New DELO-DUALBOND Products

DELO has developed a new range of adhesives utilising dual-curing mechanisms which significantly increase processing flexibility. These are especially useful in applications that require quick processing but where traditional adhesives are limited. For example, most new smartphones have the glass cover bonded to the plastic / metal housing. Because the glass has a black border, traditional light-cured adhesives cannot be used, due to the possibility of uncured adhesive in the shadow zone. With DELO-DUALBOND, UV light is used to achieve a fast cure, then humidity cures the adhesive under the black border.

Other DELO-DUALBOND adhesives use a combination of UV light and heat, with the UV light again providing fast fixing in the in-line process, and subsequent heat processing ensures full cure of the adhesive. This type of adhesive is used extensively to manufacture Compact Camera Modules used in automotive applications.

## New MPP XP Bonding Wedges

MPP have launched the XP series of wedges for fine aluminium wire applications. The XP series answers the markets needs for a durable high quality bonding wedge, the durability can give up to double the life span of a standard tool, so reducing set up times and improves yields. The XP series also offers a new improved feed / bore hole polished option that greatly reduces drag so improves looping consistency and reduces bond slivers.

## ADT Dicing Blades

ADT have recently introduced a new family of hubless blades:

The P series is a new nickel matrix blade for PZT applications, the P series offering reduced kerf width, improved perpendicularity and a longer blade life required for the demanding applications of deep narrow slotting of PZT materials.

## SemiProbe Manual Wafer Probers



SemiProbe LAB Assistant Probe Station

SemiProbe produces a range of manual probe systems suitable for Universities, Research & Development facilities, Laboratories and for low volume testing & characterisation requirements, including the cost-effective LAB Assistant and Probe System For Life (PS4L).

The low-cost LAB Assistant is available in either DC or HF configurations for 6" or 8" wafers / devices and includes all the options required to start testing, out-of-the-box.

The modular Probe System For Life (PS4L) platform, unique to SemiProbe, can be configured according to budget or initial requirements for components up to 300mm. This capability allows the system to be field upgraded with enhanced testing features or levels of automation.

Please contact us if you require further information on any of the highlighted products.

# More Company News

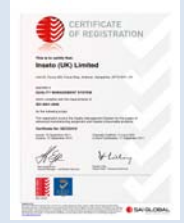
See us at the following events in 2012:

- Southern Manufacturing", 15-16<sup>th</sup> Feb, Farnborough
- IMAPS-UK - RaMP, 21<sup>st</sup> March, iSLI, Edinburgh
- NMI 3D Packaging Event, 23<sup>rd</sup> May, TWI
- IMAPS-Nordic Conference, 2-4 Sept, Denmark



Inseto confirms its commitment to our environmental promise, recently replacing vehicles with ultra-fuel efficient models and introducing a new company wide recycling scheme to further reduce our waste & environmental impact.

We are pleased to confirm Inseto has renewed its ISO 9001:2008 Certification until September 2014, following a successful visit by auditors SAI Global.



Please contact us if you require an up-to-date copy of the Certificate for your records.

Continued investments in our Company critical infrastructure, include installing a new telephone system to provide improved communication with our customers and suppliers and computer servers to deliver continued functionality in the event of device or component failure.

For more updates visit our BLOG: <http://insetouk.wordpress.com>

## Technical Support News



### ADT Dicing Equipment:

In order to provide leading edge service and support for ADT dicing equipment customers, we have recently taken delivery of a full set of machine critical components for the 7100 Series totalling over £25,000 in value. This investment ensures we are able to provide customers with same-day deliveries of machine spare parts when emergency breakdowns or failures occur.



### Kulicke & Soffa Wire Bonders:

Inseto is the only authorized distributor for Technical Support of K&S products in the UK, Ireland and Scandinavia, all spare parts of OEM supplied and Service work is certified according to our ISO 9001:2008 procedures.

Please contact us to find out more about our K&S Servicing capabilities and offers.



### Dage Bond Testers:

Attention all Dage 4000 users!

To ensure your systems are running the current production released software: ISA 5.24 / PCI 7.0.8.5. Inseto have a free of charge link to enable you to download the latest version of the Dage 4000 operating system. Please contact us for further information on how to download your free copy.



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