

## Case Study



### Celestica Asia

Celestica provides electronics manufacturing services to customers worldwide across a range of markets including aerospace, consumer electronics, communications and industrial. The company strives to continually develop innovative solutions and advance their capabilities in order to help their customers benefit from faster time-to-market and lower total cost of ownership.

The technical hub in Asia first started to utilize Dage bond testers in 2002. With facilities in China, Thailand and Malaysia, Celestica use the machines to conduct incoming material and process qualification and new process and product development.

#### Dage in Action

Dage 4000 machines are used in the Asia laboratories to carry out vital quality assurance testing to ensure that exacting quality specifications demanded by Celestica are met. The Dage bond tester performs a range of applications including; component lead and wire pull tests, solder ball and component horizontal shear tests.

Dr DW Chen, Engineering Service Manager, is responsible for Celestica Asia laboratories and has great confidence in the Dage equipment as he explains: "The Dage 4000 machine meets all of our requirements and guarantees reliability and repeatability. Our time is extremely valuable and with the Dage bond tester we can quickly and reliably validate the integrity of incoming materials and our products so that we start the manufacturing process without delay."

“ There is no doubt that Dage is one of the lead suppliers of bond testing equipment in the world, which brings with it a unique level of knowledge and experience. ”

Dr DW Chen, Engineering Service Manager,  
Celestica Asia



# Celestica™

#### Why Dage?

Although Dr Chen had previous experience of other bond testing equipment he viewed the selection of the Dage 4000 bond tester as a straightforward decision. The value provided by the modular design of the Dage 4000 machine proved to be a key factor: "The extensive functionality offered by the Dage 4000 bond tester allows us to perform a wide range of applications with just one machine. We also have the option to unlock further modules within the system, enabling us to easily expand our testing capabilities."

#### Support Always on Hand

Since purchasing its first Dage bond tester, Celestica Asia Laboratories have been continually impressed with the high level of service provided by Dage. "From the initial contact with Dage, all the way through to requesting technical support, we have always received a quick and expert response enabling us to get on with our jobs."

For further information please contact:  
Tel: +44(0)1296 317800 Fax: +44(0)1296 435408  
Email: [dpi-specialproducts@dage-group.com](mailto:dpi-specialproducts@dage-group.com)  
[www.dage-group.com](http://www.dage-group.com)