

## Contacts for this Product

Philip Homami, Sales Manager Europe  
Email: Philip.Homami@de.fkdelvotec.com  
Phone: +49 89-62995-146

Dr. Josef Sedlmair, Sales Coordination International  
Email: Josef.Sedlmair@de.fkdelvotec.com  
Phone: +49-89-62995-142

## TAB Bonding with F&K Delvotec's 64000 G5

The G5 machine concept from F&K Delvotec is so flexible that alongside the classical connection technologies other techniques can be applied.

In this manner special micro-mechanical components are being produced in very large numbers using chip-on-flex technology whereby the electrical connections are made using a modified TAB process. TAB bonding has been used for years in particular market segments, usually in large volume manufacturing. The components being produced using the 64000 G5 are inkjet print-heads in which a large silicon die is placed on an endless flexible tape. All the connections are printed and laid out in a comb form on the tape such that every connection lies directly over the corresponding bond pad on the die. The bonder now has only to weld the connection to the bond pad without the need to form a wire loop. Thus only a single contact is necessary rather than the two contacts required for each connection when using normal wire bond techniques. The optimised movement control makes the TAB version of the 64000 G5 one of the fastest machines available on the market able to make some 18 connections per second.



F&K Delvotec's new G5 machine generation

Now available for TAB-bonding