

Features

The bonder triggers methods via script to log events; these can be used for analysis by process owners, quality managers and other people involved in the process. The following results can be transferred:

- Machine status
- Error output with parameters for error analysis
- Result adjustment: chip heights, coordinates, adjustment time, etc.
- History of bond program changes:
 - o Global settings
 - o Wire/Bond/Loop parameters
 - o Bond program parameters
- Bond results:
 - o Maximum deformation of bond
 - o Number of wedges of the current head
 - o Deformation values
 - o Lower & upper specification limit of the deformation
 - o Touchdown position found
 - o Difference between expected & found touchdown position
 - o Chip number
 - o Bond number
 - o Bond time
 - o US power
 - o Bond forces
 - o Burst US-Power (only if "use_burst" is True.)
 - o Burst time (only if "use_burst" is True.)

Visualization

The data is put into a defined backend (e.g. PostgreSQL). From there, the data can be transformed in user-friendly visualizations. In Figure 1 and Figure 2 you can see a visualization using **Tableau**. Due to the universal interface, the data can be put into e.g. Web services, BI tools or even SAP as well.

For a detailed technical description of the individual functions or general questions about the interface, please contact us by phone +43 7722-67052-8270 or via e-mail under info@fsbondtec.at.

F&S Bondtec Semiconductor GmbH

Industriezeile 49a

A-5280 Braunau am Inn

Tel.: +43-7722-67052-8270

Fax: +43-7722-67052-8272

Mail: info@fsbondtec.at

Web: www.fsbondtec.at

