



Winner of the  
**productronica**  
innovation award 2021

## Cluster SMT – SMT Maschinen- und Vertriebs GmbH



### **profiling plus**

The interplay of an optimised air flow, individually adjustable fan units and an innovative heating zone concept enables a 1-temperature profile for the most diverse product variants. This results in a 100% elimination of changeover times for different soldering profiles.



### **Stefan Guggenberger, Technical Director:**

"Temperature changeover times of SMD reflow systems increase the total line costs due to lost production time and thus lower efficiency with equally large depreciation and ancillary costs. Our solution: Reduce profile changeover times to almost zero by using a single temperature profile for different products. Only the fan settings are adjusted to the specific product, and this is done in just a few seconds. The key to this is the new airflow technology "Profiling Plus", which manages to generate maximum air pressures for heavy products as well as minimised air pressures for light products. The heat transfer covers the widest range of all reflow system manufacturers worldwide. Heavy and light products can thus be soldered individually via the heat transfer coefficient without wasting time on oven temperature adjustments."

### **About SMT Vertriebs- und Maschinen GmbH**

SMT is a recognised expert in the field of mechanical engineering for thermal processes. In recent years, the company has expanded globally with subsidiaries in North/South America and China and employs around 150 people at its headquarters in Wertheim. The company holds several patents and has developed numerous innovative processes that are now part of the technological standard.

[www.smt-wertheim.de](http://www.smt-wertheim.de)

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