

Energy consumption

Press release

SMT minimises energy consumption for the soldering process

For many years now, SMT, Wertheim, has placed great importance on low energy consumption. With the conclusion of the updating programme for its product range, the adopted energy-saving policy has been consistently advanced and the energy balance drastically improved thanks to a series of changes and innovations.

The most important factor for successful energy management is efficient heat transfer. SMT puts its faith in perfect process gas conveyance with Power Nozzle technology. The high fan performance and at the same time low flow speeds ensure absolute temperature stability in the soldering chamber. Perfect soldering success is achieved in addition to the energy saving effect. Another energy saving feature is the zone separation. Adjusted to the respective module and its specific requirements, the process temperature is controlled with high-efficiency only in the one zone that it is actually needed for an optimum soldering result. Unnecessary heating of the adjacent zones is thus eliminated.

An energy balance has also been compiled and successfully implemented for process gas purification. Instead of the usual condensation process with all its cooling equipment, the gas is cleaned by feeding it through a granulate. Easy disposal without any complicated purification process is a pleasant side effect. After all an investment has been made to keep process distances short for gas purification. Short distances mean less loss of heat and thus contribute to the positive energy balance.

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