



AP&S International GmbH is a multinational specialist in the development and construction of wet process equipment for the semiconductor industry.



AP&S International GmbH

Together for the goal

AP&S International GmbH operates in an extremely competitive international market: customized equipment for etching, cleaning, coating and drying wafers and substrates, as well as the required after-sales services are the company's core competencies. This high-tech company develops, builds, and enhances wet process equipment, which is needed for handling and processing wafers, from which the active elements of microelectronic chips are produced.

One of the distinctive features of wet chemical processing equipment in the semiconductor industry are the stringent requirements for product purity. This is an issue that must be confronted by the manufacturer – otherwise the customer will have to perform lengthy rinsing cycles.

Ultra-high purity water for deep-down cleanliness

Developers working at this SME in Donaueschingen realised that there was another way of achieving the strict specifications with regard to purity – and a resolute step was taken in this direction in 2017, when the company invested in a ultra-high purity water system. This drastically reduces contaminants down to the ultra-pure trace level. AP&S's equipment is now rinsed with pre-prepared, ultrapure water prior to delivery, and measured for trace analyses of positive ions and categorised using optical particle counters and samples. As a result, the equipment can be quickly put into operation after being installed at customers' semiconductor plants, achieving minimal defect rates in wafers and chips from the outset.

Ready for the digital transformation

Managing director Alexandra Laufer-Müller acted with equal decisiveness to lay the groundwork for her company's digital transformation. AP&S has taken a shareholding in tepcon GmbH, a software company focusing on telemetry, augmented reality, and human/machine interfaces that is considered a pioneer in matters relating to the digitalisation of manufacturing. Alexandra Laufer-Müller is convinced that this investment and the accompanying expansion in AP&S's areas of expertise will enable it to take on a lead role in the semiconductor sector. Given the dynamic nature of the company, it is hardly surprising that it has been sponsoring the 'Wild Wings' ice hockey team from the neighbouring town of Schwenningen since the 2017/2018 season. 'We love this sport,' Laufer-Müller explains. 'Team spirit, tactics, and pace – it's a perfect fit for us and our motto: 'Together for the goal!'

AP&S International GmbH
78166 Donaueschingen
www.ap-s.de
125 employees (Germany)
Plant/Mechanical Engineering



Managing Director
Alexandra Laufer-Müller