

Press Release

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AT&S and Häusermann in technology partnership to consolidate competences in high-current and thermal management

AT&S, Europe's largest producer of printed circuit boards (PCBs) and technology pioneer in thermal management, is adding HSMtec technology – developed by Häusermann – to its product range. The technology combines high-current capability with thermal management. AT&S's main contributions to the collaborative venture are its skills and many years of experience in the production of large batches at its Leoben-Hinterberg plant.

Heinz Moitzi, Chief Technical Officer at AT&S, explains the logic behind the partnership: "The increasing demand for efficient heat dissipation in PCBs in combination with micro-conductor and control electronics, as in high-power LEDs, convinced us to integrate HSMtec technology into our product portfolio." Its many years as a technological trailblazer with a long and successful history in the production of larger series makes AT&S the ideal partner to join Häusermann in offering the innovative HSMtec technology in large batches. The new production process will be implemented at AT&S's Leoben-Hinterberg plant.

In series production of HSMtec technology, external copper elements are bonded directly onto the copper base material. In accordance with the customers' design specifications, the components are located at carefully selected points on the PCB where there are high current flows or excessive heat. Häusermann's patented technology has been certified to high technical standards and uses standard FR4 materials, making it ideal for further processing. Its decisive advantage is its ability to combine the transmission of currents of up to 400A with micro-conductor technology on the same circuit board. The elimination of wide copper tracks saves space and makes increased functionality on a given surface possible. Depth milling is used to produce multi-dimensional PCBs. The precision made possible by this novel process also makes for faster and cheaper production. HSMtec is certified to DIN EN 60068-2-14 and JEDEC A 101-A.

About AT&S

AT&S Austria Technologie & Systemtechnik Aktiengesellschaft is European market leader and one of the world's strongest-performing printed circuit board manufacturers. AT&S is extremely well positioned in the market for high-tech HDI Microvia PCBs, which are chiefly used in mobile devices. The Group is also highly successful in the automotive and industrial and medical sectors. As a vigorous and growing international enterprise, AT&S has a global presence with three production facilities in Austria (Leoben, Fehring, Klagenfurt) and one each in India (Nanjangud), China (Shanghai) and Korea (Ansan, near Seoul). For more information visit www.ats.net

About Häusermann

Häusermann GmbH specialises in the production of small and medium-sized batches of printed circuit boards with special reliability requirements. In addition to established technologies for through-hole plated, multilayer, HDI and rigid-flexible PCBs, Häusermann also produces membrane keyboards and innovative solutions, mainly in high-current and heat management applications. Flexible approaches to special requirements and individual technical advice make Häusermann a strong partner for companies active in industrial electronics, control, measurement and instrumentation technology, EMS (Electronic Manufacturer Service), medical technology, telecommunications and entertainment electronics. For more information visit www.haeusermann.at.

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