

### ASM Pacific Technology

ASMPT is the world's largest supplier to the electronics manufacturing industry. With their innovative hardware and software solutions, the divisions of the ASMPT Group improve production processes in industries ranging from semiconductor manufacturing to advanced packaging to SMT assembly. Customers are OEMs, OSATs and EMS providers with applications in automotive, industrial and control electronics, medical technology, IT, 5G and telecommunications, optoelectronics, sensor technology, and consumer electronics. With offices and representations in all major markets and regions, ASMPT can support companies with globally distributed development and manufacturing locations. Following the integration of specialists like AMICRA, NEXX and ALSI, ASMPT has expanded its portfolio in specific areas in recent years. It is the only company that is able to meet its customers' complete process chain requirements and coordinate all of their process steps ranging from wafer production to circuit board

assembly. This speeds up projects, makes solutions more productive, and reduces risks. In addition, many ASM solutions are highly scalable because they use standardized technologies and systems from development to prototyping to mass production. This reduces the level of risk even more for manufacturers and service providers.



ASM SilverSAM: Fully automatic sinter press with 3 press configuration.

### Focus on automotive e-mobility

Machines for applications in automotive power electronics are one of ASMPT's major focus areas. Electrification and more effective power modules require new materials, technologies, processes and manufacturing solutions in order to provide the level of reliability the market demands. By cooperating closely with various partners and material suppliers in this field, ASMPT can develop and offer the most effective solutions possible.

With its ASM SilverSAM system, for example, ASMPT has developed a highly productive and exceptionally flexible sintering press for pastes containing silver or copper with which much more stable connections can be made. Since the solution supports

a wide range of formats ranging from panels to singulated substrates to heat sinks and is scalable from one to three press modules per machine, it can handle the entire product cycle from NPI to mass production with a single platform. As modules become ever more densely packed with components, fully sintered connections and efficient cooling (DSC) are becoming increasingly important, which is why ASMPT offers perfectly coordinated solutions for module assembly as well.

With its broad portfolio of products and solutions, ASMPT supports the whole process chain from solder paste printing and drying to die bonding, sintering, and molding. Solutions for metalizing (NEXX Apollo) and singulating wafers (ASM Laser 1205) round out the company's offerings. At ASMPT's Automotive Center of Competence in Regensburg, Germany, process experts stand ready to advise customers, discuss their requirements with them, and help them to implement custom-tailored solutions.



ASM supports various assembly process steps in the power module production.