

Chinese robots specialist Siasun opts for a motion control solution from Schneider Electric

Shanghai-based Siasun Robot & Automation Co. Ltd is one of the leading providers of industrial robot systems in China. To ensure that Siasun maintains its leading position in light of increasing international competition, the company is using innovative motion control technology from Schneider Electric in its new SRBD range of Delta robots.



"The PacDrive 3 platform helped improve the performance of Siasun's parallel robots," Jihong Qiu, General Manager, Siasun Robot & Automation Co. Ltd.

The key focus of Siasun is on the global sale of mobile robotic systems and intelligent industry and service robots. To successfully respond to increasing industrial requirements and customer needs, Siasun attributes considerable importance to ensuring consistent development of its business. The goal of the company is to ensure the sustainable and continuous improvement of its production processes at both the manufacturing and digital levels throughout the entire product life cycle. In this context, the beating heart of the company is its independent research and development department, in which sector-specific customer

solutions ranging from food technology to the automotive industry can be planned and realized according to demand.

From traditional to intelligent manufacturing – thanks to strong partnerships

Due to the consistent implementation of this concept since its foundation 17 years ago, Siasun hasn't just succeeded in making a name for itself as a pioneer in the digital and industrial transformation in Asia. To live up to its pioneering role and to build on its market-leading position despite growing international competition in the area of parallel



High continuous path accuracy also during deceleration and acceleration process

robots, Siasun prioritizes strong partnerships and the latest technologies.

During the development of its latest Delta robots in its SRBD range, the company therefore based its efforts on open, scalable software and hardware technologies that comply with strict international standards. The PacDrive 3 high-end motion control solution from Schneider Electric fulfilled these requirements. For each Delta robot, Schneider Electric supplied a PacDrive logic motion control unit and three or four Lexium 52 servo amplifiers and motors with gears. These enabled a high performance and flexible communications concept via Sercos® and OPC UA which was possible to adapt individually to the individual strengths.

With Schneider Electric's SoMachine Motion, Siasun was able to make use of a flexible and easily configurable software solution, completing the full programming of the robot units within just one week. Thanks to the PacDrive technology, Siasun is now able to make full use of its research and development expertise to maximize the productivity of its Delta robots at all times. Siasun parallel robots are now finding successful use in medical technology, electronics and food packaging.

Jihong Qiu, General Manager in the area of Rail Transportation at Siasun, is enthused by the collaboration: "Due to our cooperation with Schneider Electric, we were able to complete the development of our latest Delta robots within just one year. We are now in the position of being able to serve an even wider range of customers with a forward-looking robotic solution and to further advance our market position."

