

Exhibition preview

ASYS Electronics

04.04.2023

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“Everything’s connected” – the ASYS Group at the SMTconnect

The ASYS Group will be present at booth 4A/324 with several highlights when SMTconnect opens its exhibition gates in Nuremberg from May 9-11, 2023. ASYS remains true to its mission of "Everything's connected" and offers a variety of flexible, scalable solutions for the manufacturing of the future.

From the autonomous depaneller with offline programming to the fully automatic printer with newly developed paste pick-up to Material Logistics components that support the operator. The innovative ASYS machine and line solutions are embedded in the comprehensive portfolio: Different modules offer a variety of control and monitoring options: PULSE PRO, the software solution from ASYS keeps you on top of things, no matter where you are in production.

ASYCAM Extended – Excellent benchmark for blank depaneling

Scalable from semi-automatic to autonomous depaneling and recently awarded the NPI Award in the category "Software-Production": ASYS has developed the new "ASYCAM Extended Version". In the future, it will be possible to reduce downtimes while increasing efficiency. The ASYCAM standard software allows the operator to program the milling process offline. The new "ASYCAM Extended Version" includes a "digital copy" of the machine. The software extension allows the operator to program the zero points of the incoming PCBs in the machine, in addition to the gripping and milling positions. The information is converted by ASYCAM into an XML file. The DIN file is passed on to the machine by the operator. Without having to interrupt the production process, the operator is now able to set new programs. This improves the utilization of the machine and reduces the setup time by up to 70%. Immediately after creating the ASYCAM XML file in the machine, production can start. The user interface is deliberately kept simple and intuitive, making it easy to learn. Operators who already use the ASYCAM standard software will recognize the similar interface. This eliminates the need for time-consuming learning.

Experience Material Logistics solutions in the component roll use case:**Reducing errors through visual operator support**

For consumption-oriented replenishment of material, especially SMD component reels, ASYS has developed an intelligent system that minimizes line downtime, supports the operator and thus maximizes the efficiency of the entire line - "Pick-by-Light". This component roll magazine solution won the APEX NPI award for new product introductions in the "Component Storage" category. It combines operator-oriented hardware and intelligent software modules in a harmonious interaction. For the operator, the "Pick-by-Light" visual support eliminates the time-consuming process of searching, rearranging and identifying the correct component roll for replenishment. It ensures that the operator can work quickly and intuitively. The removal of the individual roll from the roll magazine is visually supported by the "Pick-by-Light" light bar and the operator is guided in a targeted manner. The clear visual identification also minimizes operator errors that could lead to further downtime for the entire line. Consumption- and demand-oriented replenishment of the placement systems and thus of the lines is guaranteed.

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Printing in new spheres - the SERIO 6000

Many of the ASYS systems, options and features have been awarded the in-house "Invented by ASYS" label. The latest invention from the ASYS experts can be found in the printing area. The SERIO 6000 is the world's first fully automatic printer. The system offers automation in stages - adaptable to the automation level of the existing production. With the smart autonomous printer, for example, squeegees and stencils can be set up asynchronously. New to the SERIO 6000 is the electric "Sphere" squeegee head. The squeegee stroke and angle are adjusted electrically, while the pressure force is continuously measured and controlled. The squeegee head is now able to independently pick up solder paste from the stencil and transfer it to another stencil, or to reuse the solder paste sustainably.

Specific tools and materials can be stored directly at the printer and then automatically installed at the right time for the next product cycle. Setup can be done manually by an operator or by an autonomous process assistant (APA). The SERIO 6000 is capable of operating over multiple shifts without significant operator intervention.

In printing, material handling or marking & separating: ASYS solutions are always scalable and adaptable to individual challenges. Under the mission "Everything's connected", customers can network with ASYS at SMTconnect.

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For further informations refer to: [ASYS Group: SMT connect 2023 \(asy-group.com\)](https://www.asys-group.com)

About ASYS Group

The ASYS Group is a globally active technology company and leading supplier of standard and special systems for the business fields of electronics, energy and life science. ASYS Automatisierungssysteme GmbH, is the lead company of the group. With over 1300 employees worldwide, the ASYS Group develops, manufactures and markets high-quality and innovative automation solutions. It has a global sales network with local contacts in more than 40 countries. 20 subsidiaries in Europe, Asia and America enable customer-oriented support.

Press contact:

Iris Kosina

iris.kosina@asy-group.com

+49 7348 9855 5110