

Innentitel und -story

– Aufmacher für ein spezielles Thema!

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Innentitel:

Special

Road to sustainability

ASMPT just unveiled its strategy for carbon neutrality. Guenter Lauber, EPP & Chief Strategy and Digitalization Officer, and responsible for ESG in ASMPT's management, reveals more about the company's plans.

Honesty is best policy
 "Anyone who makes early green disclosures about emissions is not likely to be put up with the accusation of greenwashing."

Challenge yourself!
 "We are challenging ourselves, and all the same time, trying to live up to our responsibility as a prominent player in the industry - we measure which projects support emissions for up to four percent of global greenhouse gas emissions."

Invest in the future
 "Sustainable concepts are reshaping markets that create real value for stakeholders, including employees, shareholders, supply chains, society, and the planet."

ASMPT NET ZERO 2035

TEST & QUALITY ASSURANCE *Special*

The road to sustainability

ASMPT, a global leader in hardware and software solutions for the semiconductor and electronics manufacturing industries, recently unveiled its strategy for carbon neutrality. Guenter Lauber, EPP & Chief Strategy and Digitalization Officer, responsible for ESG in ASMPT's management, spoke to EPP Europe about the company's plans.

Can you provide a bit more insight into ASMPT's sustainability goals?
 ASMPT's ESG strategy is based on UN SDGs 1, 4, 7, 8, 9, 11, 12, and 13. But let me be a little more specific. Although sustainability and ESG are highly complex topics that affect all processes, operations, segments and regions of ASMPT, we have already made good progress in this field. In the area of governance, we have carried out our risk assessment, established our processes, and are actively meeting the requirements placed on us by governments and markets. We have published an ESG Report, in which we disclose ESG targets and results, since 2017 for instance.

What is your new net-zero strategy?
 To achieve a CO₂-free footprint as quickly as possible, we decided some time ago to switch to gas and wind power and to save energy in all areas of the company. What is new is that we have defined a mission and published our commitment to a concrete goal. In so doing, we are challenging ourselves and, at the same time, wanting to live up to the responsibility we have through our prominent position in the industry - an industry which is fuelled by digital technology and AI. In fact, we are aware for us to a percent of global greenhouse gas emissions. Regardless of how high the value really is, it is clear we must not stand still.

You already mentioned that companies issue 'green' on the sustainability goals that are most relevant to them, but that this is also determined by external factors. How does this apply at ASMPT?
 Traditionally, profitability assessments have been determined by the interests of shareholders, when it comes to other interest groups. Sustainability initiatives that are often rejected by the argument 'no customer is going to pay us for this' but that has changed. Not least because products that do not meet customers' sustainability requirements will not be sold in the future. Sustainable companies are redefining the business ecosystem by stepping outside that circle and for all stakeholders, including employees, shareholders, supply chains, society, and the planet. In terms of the environment, we have prioritized topics based on the materiality matrix. While climate change, greenhouse gas emissions, energy-efficient products and energy management are of great importance to our stakeholders, they also have a major impact on ASMPT's bottom line. The economic benefits of some measures are obvious: energy-efficient products are more attractive, and energy-saving measures, including generating your own energy, also help to minimize other a certain period of time. The positive impact on the recruitment of workers, especially the younger generation, is equally obvious. What is often overlooked, however, is that, according to recent reports, investors are increasingly using companies' non-financial disclosures to make investment decisions. In our net-zero plan, we put all at all in the process of 200 studies analyzed concluded that good ESG standards reduce the cost of capital, 88 percent show that good ESG practices lead to better operational performance, and 88 percent show that share price performance is positively correlated with good sustainability practices. The development of sustainable alternatives in products and operational processes is a driver of innovation.

How exactly does ASMPT approach ESG, SDG and net-zero?
 Our vision proclaims: "Shaping a bright & sustainable future for customers, employees, investors, partners and society". All employees must be able to develop awareness of ESG and sustainability issues in general, and of ASMPT's focused activities in particular. To achieve this, we have established a central and cross-functional Environmental, Social & Governance (ESG) Team. This global team focuses on achieving our ambitious net-zero targets across all ASMPT segments. It has also defined and communicated our net-zero targets for Scope 1 and 2. To this end, we have identified the most effective emission-reducing measures and resources, prioritized, and selected suitable and proven practices for CO₂ avoidance, and provided the necessary financial resources. With a focus on our target sectors, these measures are rolled out and reported on every two months at each ASMPT site.

What kinds of measures would these be?
 Measures to reduce emissions include, for example, reducing the energy demand at each of our sites by investing in more solar panels. Other include generating electricity from renewable sources in-house, and the electrification of vehicles. All this is supported by digital measures, such as the procurement of electricity from renewable energy sources and the purchase of green electricity and CO₂ compensation. ASMPT has also set the best of the best of Scope 2 emissions, such as those from the measures, we must consider each location separately. We cannot generate our own energy at all at all our locations, and not at our sites how pro-

Who are your suppliers who supply electricity from renewable sources?
 Let me mention a few. Since 2018, we have achieved some initial success with our ESG measures and reduced CO₂ emissions by 30 percent at our sites in Mainz, Rheinbach and Stuttgart. A few months ago we completed the installation of more than 1,200 solar panels at our global headquarters in Singapore. Solar panels are also already in use in Wetzlar, UK, and in Huzhou, China.

You mentioned that your Net Zero 2035 program applies to Scope 1 and Scope 2 of the Greenhouse Gas Protocol. What are your plans for Scope 3?
 Scope 3 refers to indirect emissions resulting from activities along the supply chain. This includes purchased emissions which result from purchased goods and services, the use of products by customers, and the transportation of goods to customers - all highly complex issues. ASMPT has not yet defined the best of the best of Scope 3 emissions, such as those from the use of our products, whose energy efficiency is not yet being fully optimized. We are in the process of measuring Scope 3 emissions so that we

Finally, what advice would you give to colleagues in the industry who are still in the very early stages of ESG?
 In a few words, do not be deterred by tasks that may seem complex at first. Educate yourself and identify suitable starting points for your company. Just get started and take it one step at a time. Even if some measures seem like a drop in the ocean, we know many drops add up to the ocean.

Mr. Lauber, we thank you for this interview.
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Aufmacherbeitrag:

» PCB & ASSEMBLY

Fluid dispensing robot systems

Coming into sight: the role of vision in robotic fluid dispensing

Key to streamlining robotic fluid dispensing, vision-guided systems allow precise deposit placement, permitting robotic systems to deliver faster production cycles and remove the guesswork from the dispensing process, minimizing programming time and reducing overall operational costs.

» Konradin's Vision, Product Line Specialist Automation November 1999

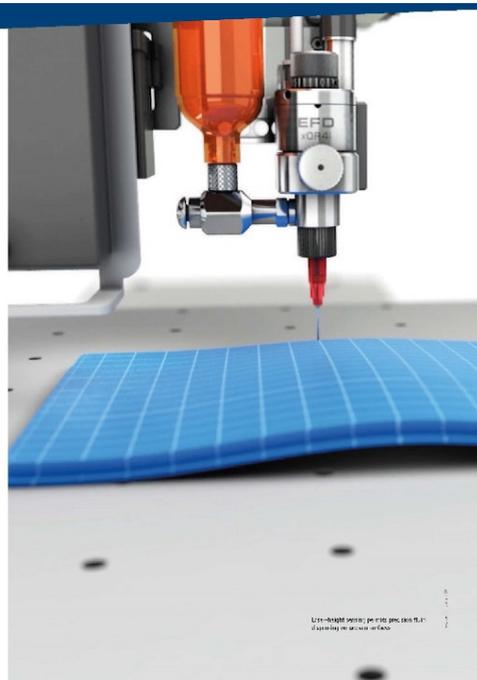
When creating robots that must be able to deliver precise deposits, it is essential to use the right equipment. Critical to this need is dispensing technology that can deliver fluid, such as adhesives and solder, to assemblies. For this to be done, the robot must be able to see the target location and adjust its position accordingly. This is where vision-guided dispensing comes in. It allows the robot to see the target location and adjust its position accordingly. This is where vision-guided dispensing comes in. It allows the robot to see the target location and adjust its position accordingly.

Robotic fluid dispensing
Robotic fluid dispensing is a process that uses a robot to apply fluid to a substrate. This is done by using a dispensing head that is mounted on a robot arm. The robot arm moves the dispensing head to the target location and dispenses the fluid. This process is used in a variety of applications, including the assembly of printed circuit boards (PCBs) and the application of adhesives and solder to components.

Vision-guided dispensing
Vision-guided dispensing is a process that uses a camera to guide the robot to the target location. This is done by using a camera that is mounted on the robot arm. The camera takes a picture of the target location and the robot arm moves the dispensing head to the target location. This process is used in a variety of applications, including the assembly of printed circuit boards (PCBs) and the application of adhesives and solder to components.



» Konradin's Vision, Product Line Specialist Automation November 1999



» PCB & ASSEMBLY

granular material occurs over all operational costs.

Point-to-point teach method

The most frequent form of dispensing is the point-to-point method. In this method, the operator manually moves the dispensing head to the target location and dispenses the fluid. This process is used in a variety of applications, including the assembly of printed circuit boards (PCBs) and the application of adhesives and solder to components.

Simple Vision and CCD-Equipped Vision

When we talk about vision systems for fluid dispensing, there are two main types: simple vision and CCD-equipped vision. Simple vision systems use a camera to guide the robot to the target location. CCD-equipped vision systems use a camera and a CCD sensor to guide the robot to the target location.

Zusammenfassung

Resümé
Die Vision-geführte Fluid-Dispensierung ist ein Prozess, bei dem ein Roboterarm mit einer Kamera und einem Fluid-Dispensierkopf ausgestattet ist. Die Kamera ermöglicht es dem Roboter, die Position des Zielortes zu erkennen und die Dispensierung präzise auszuführen. Dies führt zu schnelleren Durchlaufzeiten und weniger Ausschuss im Vergleich zur manuellen Dispensierung.

Резюме

Резюме
Видеоуправляемая роботизированная система для нанесения жидкостей. Камера позволяет роботу точно определить местоположение цели и нанести материал. Это повышает скорость и точность процесса по сравнению с ручным методом.

Контакт

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dark, point-to-point method. But the amount of material that is being dispensed is a variable. For this, it is essential to use the right equipment. Critical to this need is dispensing technology that can deliver fluid, such as adhesives and solder, to assemblies. For this to be done, the robot must be able to see the target location and adjust its position accordingly. This is where vision-guided dispensing comes in. It allows the robot to see the target location and adjust its position accordingly.

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1Q2 Kunde

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