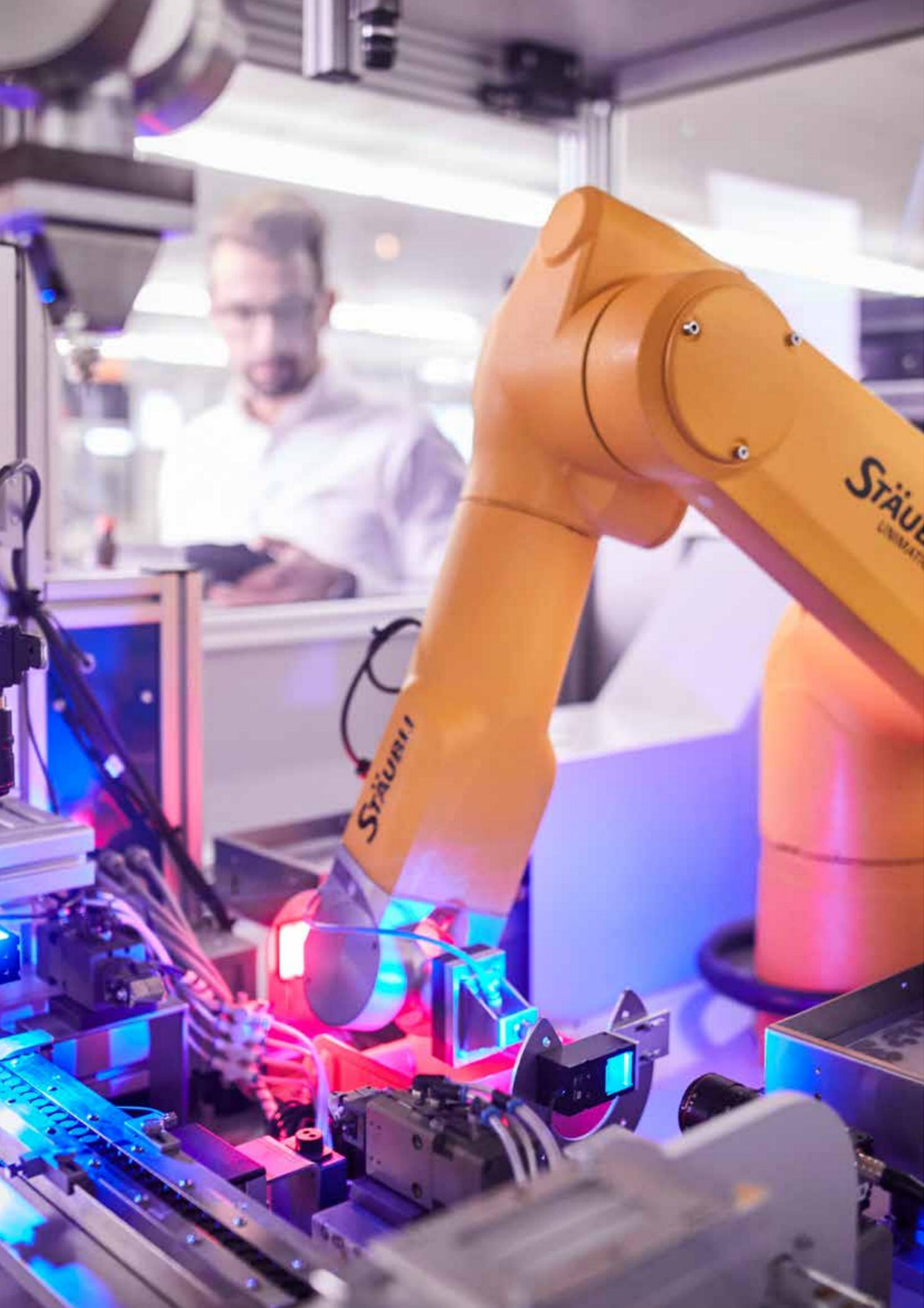




**WE
PACKAGE
TECHNOLOGY.**

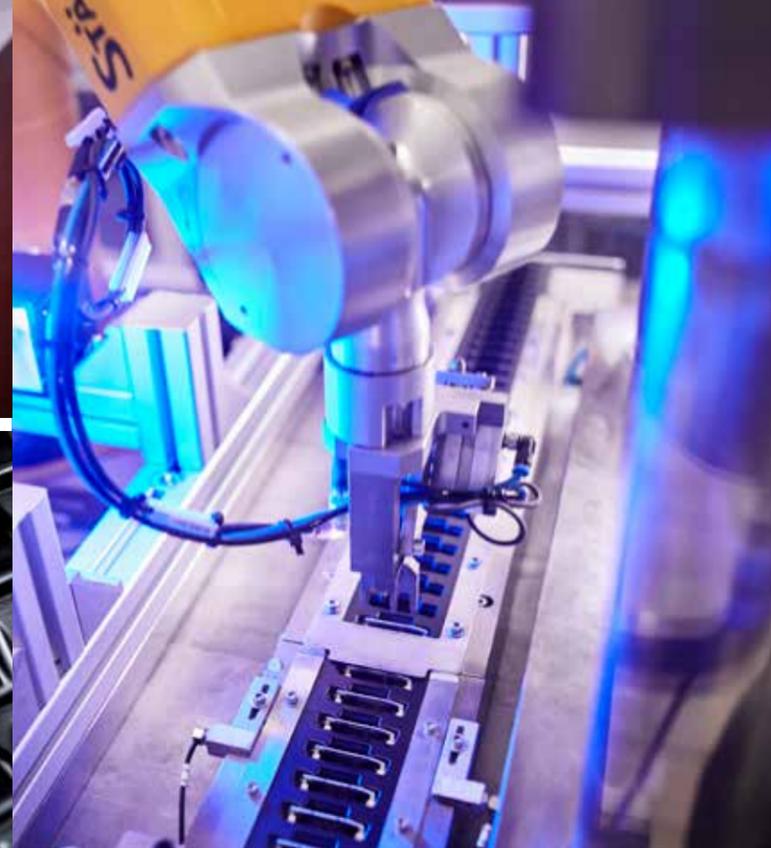


How could we package electronic products safely and efficiently? How could we optimise the integration of small technical components in finishing processes?

SWS Packaging is your highly efficient, specialised partner for packaging in the automotive, electronics and construction industries. As leading experts in our field, we provide safe and efficient solutions for packaging technical components and accessories. Our portfolio includes an enormously broad range of state-of-the-art, safe industrial packaging systems.

SWS Packaging also offers a range of services for optimum preparation for further assembly and automated processing. Our excellent staff and technical resources enable us to process even large volumes reliably and flexibly. We also sell packaging accessories such as reels, cover tapes, dry bags, ESD shielding bags and cardboard boxes.

Benefit from our tailored logistics services. For each project requirement, we can offer an individual logistics package that is perfectly tailored to your requirements. Our logistics services range from standard solutions to just-in-time services. Our ERP system is designed to be flexible and open, to ensure any customer interface can be integrated seamlessly.



PRODUCTS

Carrier tapes Perfect packaging, automatically.

As one of the largest providers in Europe, SWS provides fully automated packaging in high-precision feeder systems with carrier tapes. SWS carrier tapes are produced on state-of-the-art production lines. With our extensive range of machinery, we can react quickly and flexibly to your requests and requirements.

SWS carrier tapes enable integration into automated production and precision positioning in the assembly process. They are a safe, affordable packaging system and ideal storage solution for our customers' components.



PRODUCTS

Taping service Technology packaged safely.

We pack and seal our customers' electronic components in SWS carrier tapes. This is highly efficient, cost-effective and reliable. Our specialists' high level of expertise ensures that the electronic components are perfectly packaged. This enables us to shorten your production processes and achieve significant savings. Of course, this is accompanied by our state-of-the-art yet personal order processing system.





PRODUCTS

Taping service Manual production Your components. Packaged by professionals.

Individual and careful, when it has to be perfect: Our service team can pack your components and assemblies safely, cleanly, accurately and just-in-time. And in exactly the right carrier tape for your subsequent processing. Our efficient interconnected systems enable really economical streamlining of our customers' process chains.

Whichever option you go for, you can rely on knowledgeable advice and reliable processing of your order by the experts at SWS Packaging. Give us a call. We would love to develop the perfect service system to suit your requirements.

Taping service Automated for bulk goods Fully automated sub- sequent processing.

We will package it for you: You just provide the materials to be packaged as bulk goods and we will deal with the rest. Automated feed systems, such as spiral conveyors, separate the parts, sort them and transfer them to the delivery station. The parts are then positioned in the carrier tape by 'pick and place', securely sealed and rolled onto reels.

Our automated packaging processes provide maximum flexibility. We can meet your requirements on state-of-the-art production systems, and the SWS range of services also includes surface and characteristic inspections and documentation.

Taping service Automated from punching strip Efficiency is our watch-word.

You provide the material to be packaged in punching strips on rolls. We ensure efficient, perfect packaging on carrier tape. An automated process separates the parts to be packaged in an isolation tool. The parts are then positioned in the carrier tape directly or by 'pick and place', securely sealed and rolled onto reels. Would you like the parts to be remodelled in a punching tool during this process? That is possible too!

The automated SWS packaging processes offer maximum process stability. The SWS packaging service provides top-notch quality and flexibility while increasing production performance, especially for sensitive contact parts and surfaces. We will stake our reputation on it. The SWS Packaging team.

Trays Individual. Safe. From A to B.

SWS trays are a really high-value transport and storage solution for our customers' components. Customer-specific deep-drawn trays make transport very secure. They can be single or multiple use.

Complex geometries? We can package them! As well as tray packaging, SWS Packaging also offers the production of moulded technical plastic parts. The combination of different processing methods such as deep-drawing, milling, bending, laser cutting, screwing and riveting allows the production of both simple deep-drawn parts or bends and parts with complex geometries.



SWS cover tapes

For sealing carrier tapes

SWS cover tapes ensure a secure, permanent seal on carrier tapes. The protective, anti-static polyester film adheres reliably to virtually all plastic materials and provides a secure hold for components and protection against dust and humidity.



SWS reels

Carrier medium for carrier tape

Generated for feeders, available in various widths and diameters: **SWS reels**. The round plates and cores can be combined, making them easy to fit. The reels are mostly made from anti-static polystyrene. They are made from single-variety recycling material, making them very sustainable.



ESD shielding bags

To protect against electrostatic discharge and humidity.

Metallised **barrier layer bags** protect your technical products from humidity and electrostatic discharge. The dry shields or shielding bags have an ESD warning symbol, the humidity symbol and the type designation as standard, and are available in a range of sizes, with customised printing if required.

A special multi-layer design incorporating polyethylene and polyester, with metallised polyester film, making it impermeable to humidity, provides electrostatic shielding < 10 n and EMI shielding up to 45 db. It can also be sealed and vacuum-packed and is RoHS-compliant and lead-free.



Dry Bags

To protect against humidity

Desiccant bags are used in the packaging of sensitive products in order to minimise air humidity. Within the packaging, the air humidity should not exceed 20% RH. The dry bags must be compact and free of dust.

We stock desiccants in various sizes with stable dust-free covers and humidity-reducing desiccants in accordance with MIL-D-3464 or DIN 55 473. Contact us. We can recommend the right dry bags for your products.



SWS cardboard boxes

Tailored to meet your requirements

SWS cardboard boxes offer individual transport safety and tailored packaging solutions for carrier tape reels and their outer packaging. Sturdy boxes made of solid board are safe for transport, dirt-repellent, stackable and, of course, 100% recyclable.

The dimensions of the cardboard boxes are adapted to the standard reel diameters and widths. So your reels are perfectly protected in transport and storage.



INDUSTRIES

We can package it. For your industry.

On the lookout for the perfect packaging solution for technical products? We can package and protect sensitive electronics and SMD components with tailored solutions for our customers in a range of industries. For example:

- Plant engineering
- Automotive
- Construction industry
- Electronics
- Building services
- Plastics processing
- Mechanical engineering
- Medicine
- Telecommunications

QUALITY

Precision packaging. For your processes.

SWS Packaging provides precision feed systems for the seamless integration of technical elements for automated production and accurate positioning in assembly processes. Our capable employees are familiar with all the requirements for packaging solutions, optimised process workflows and certified quality management.

All the materials used to manufacture our products are completely free from hazardous substances. All carrier tape films and cover tapes are 100% recyclable.



CERTIFICATION

Variety included in the package. Certified.

All products made by SWS Packaging comply with the applicable standards and industry-specific regulations and guidelines. Made in Germany, QM-certified (DEKRA).

LOCATIONS

We deliver wherever you want. Throughout Europe.

SWS Packaging GmbH based in Leingarten (Germany) produces and manufactures for companies throughout Europe. We focus on Germany but also deliver to Italy, Austria, France, Switzerland and Ireland.



CONTACT

What can we package for you?

Write to us with your request. The SWS Packaging team will be happy to get back to you as quickly as possible.

**Mail info@sws-packaging.de
Phone +49 7131 88723-0**

www.sws-packaging.de

