



Do you want to get started right away?  
For more information, see the  
**StarterSET brochure**  
**on our website.**

# MACHINE AUTOMATION



**SEW-EURODRIVE GmbH & Co KG**  
Ernst-Blickle-Str. 42  
76646 Bruchsal/Germany  
T +49 7251 75-0  
F +49 7251 75-1970  
sew@sew-eurodrive.com  
www.sew-eurodrive.com

made easy

**Creating a complete machine faster from start to end of line**



**“THE MACHINES OF TODAY NEED TO BE PREPARED FOR THE REQUIREMENTS OF TOMORROW.”**

---

Quote from Jörg Peters  
Head of Machine & Product Solution Center  
SEW-EURODRIVE GmbH & Co KG



Trends

# 01

# Current trends at a glance

**Upgrading, meeting new requirements, acting quick –** machine automation means being adaptable and being guided by current trends.

## **Sustainable automation**

For us, sustainable automation means avoiding waste, making technology and product changes easier, using long-lasting components and thinking ahead when it comes to energy efficiency. Maintenance services also have their part to play – we only repair and replace applications that are actually broken. We leave everything else as it is, contributing to the longest possible product life cycles as a result.

## **Digitalization in production**

We offer preconfigured software modules that enable you to get your machinery started up faster. We also provide other software modules that enable you to monitor your machinery yourself. There are no limits to your application in the future.

## **Modular machine architecture**

A rigid production line can only be adjusted to new products or formats to a certain extent, if at all. To benefit from the advantages of a smart factory, it is therefore necessary to plan smart systems right from the outset.

## **Intelligently connected machines**

Connected machines are absolutely essential to ensure machines can communicate with each other within a complex production line. To implement this integration as straightforwardly as possible, machines need a flexible communications environment.

## **Production on demand**

Rather than producing to boost stocks, the machine only manufactures what has been ordered. This involves moving away from mass production to intelligent machine control with an open interface to all commonly used systems.

## **Customization from batch size 1**

Consumer requirements are becoming increasingly outlandish. This calls for intelligent production systems with maximum digitalization and automation of the process. As a result, it is possible to respond to rapid format changes and future trends.



Industries

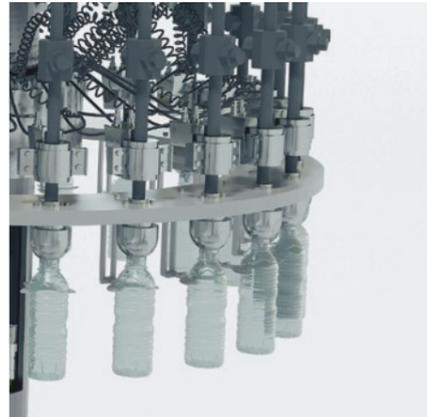


O2

**Handling**




**Beverages industry**

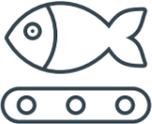
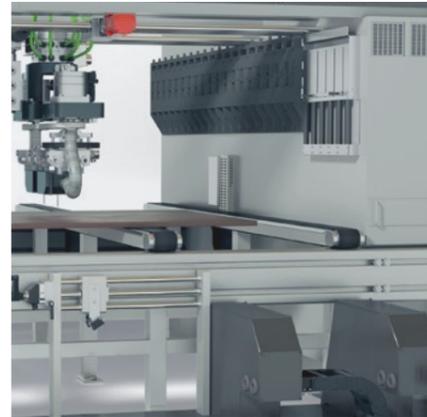
# Your industry

## Our expertise

The demands on automated production processes do not just vary from sector to sector – they can also be different within a single sector. Manufacturing, packaging, and transporting, while still paying attention to weight, size and volume – transitions in production can only be designed to be simple and efficient when they dovetail in an automated way.



**Food industry**

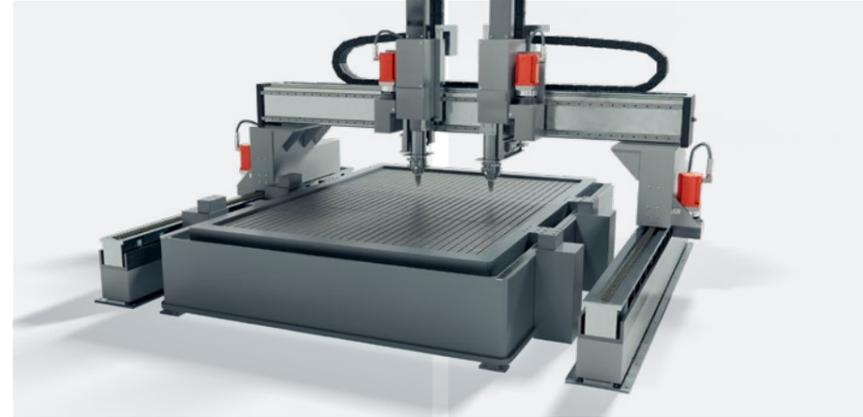
**Wood processing**



**Pharmaceutical industry**




**Metalworking**

**Rubber and plastics sector**




# Partnership

# 03



# Long-term partnership

for your automation project

“Automation made easy” – that’s our motto. At SEW-EURODRIVE, we have specialized in the automation of systems and machinery of all kinds. We will support you right from the initial idea for your automation project, no matter how wide-ranging it may be. With our modular system, we can supply customized solutions including everything from gear units and controllers to intelligent software – all from a single source. At the same time, we can offer servicing and maintenance exactly where you need them. After all, with sites in 52 countries, we are never too far away from our customers.

Since 1931, SEW-EURODRIVE has been a drive technology brand with a global reputation for quality, reliability and innovation. For several years now, we have also been a successful provider of machine automation. We take a holistic view of your machine and help you optimize workflows. It makes no difference whether you are looking for partial or full automation – our expertise enables us to create a solution tailored precisely to your needs.





**Long-term partnership**  
for your automation project

**1**

**Design**  
From concept to implementation, we are at your side as your partner in your automation project.

**2**

**Implementation**  
Our global network enables us to provide you with implementation support wherever your site may be.

**3**

**Comissioning**  
As a partner, we are at your side through every automation task – we can support you with the startup of your new, automated machine either on site or virtually.

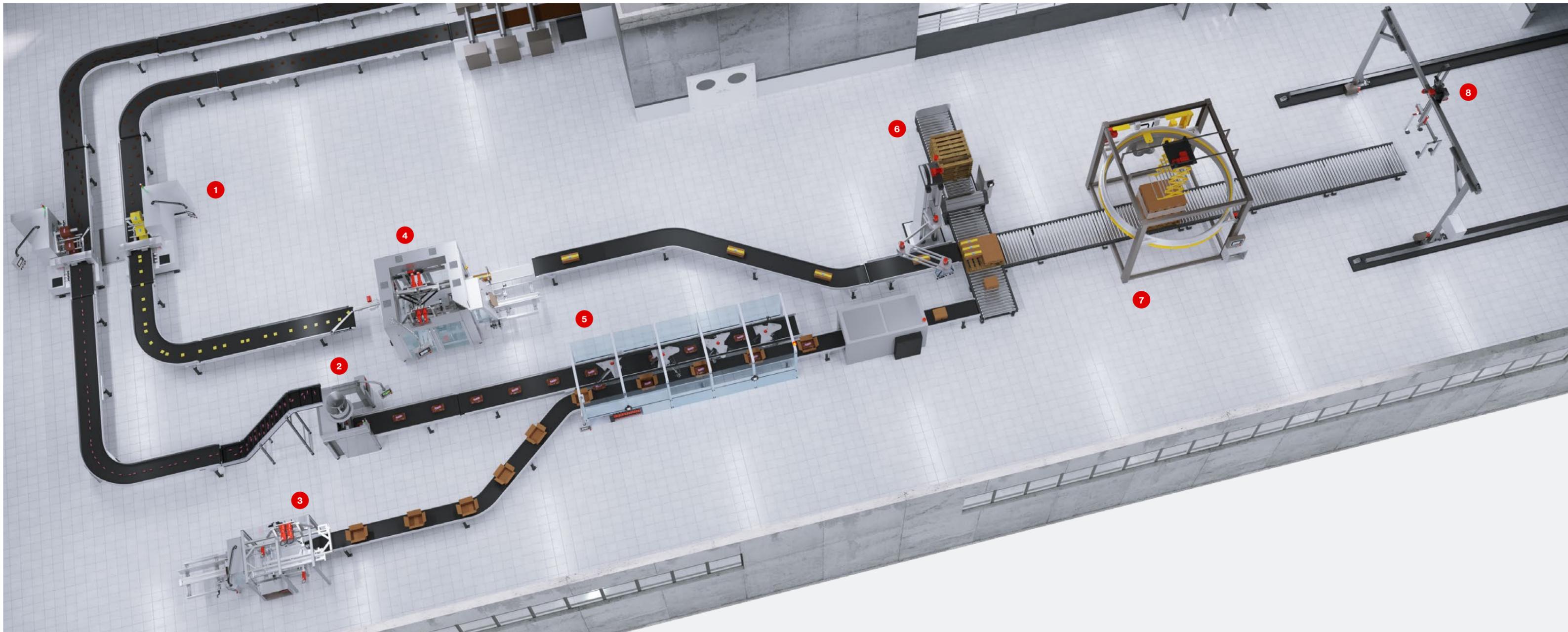
**4**

**Life Cycle Management**  
We respond to all customer wishes, even after startup. Maintenance, modernization and retrofitting of the system all happen in close collaboration.



# Types of machine

04



# Modular design

Suitable for many types of machine

- 1 Horizontal FFS machines
- 2 Vertical FFS machines
- 3 Cartonizers/erectors
- 4 Sideloader multipackers
- 5 Toploader multipackers
- 6 Palletizing robots
- 7 Winding machines
- 8 Gantry palletizers



Individual

05



# Individual satisfaction

**When our customers are satisfied, we are, too.**

Companies can always rely on us as its partner for automation solutions from a single source – no matter where, no matter when.

**“The innovative new operating concept from SEW-EURODRIVE enables simple, intuitive machine operation – even via a smartphone or tablet.”**

Quote from Jürgen Lerner, Construction Manager at VMS Maschinenbau

**“Complex processes such as these would not have been possible at all without close cooperation with SEW-EURODRIVE.”**

Quote from Günter Wolf, Managing Director of WOLF Verpackungsmaschinen

**“SEW-EURODRIVE makes life very easy – especially with its preconfigured modules that simply have to be connected up. This saves a lot of time.”**

Quote from Helge Sünemann, Programmer at OPITZ Maschinentchnik

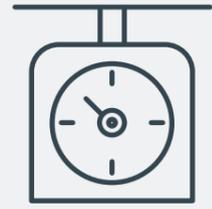
**“With SEW-EURODRIVE, we have laid a basis that combines individuality with standardization and achieves a new level in our industry. What's more, SEW-EURODRIVE has a global reputation, its products and services are available worldwide, and it offers short delivery times.”**

Quote from Roland Kaluza, Head of Design at DIENST Verpackungstechnik



**50 kg**

Our parallel arm kinematic models are suitable for handling loads up to as much as 50 kg.



**88**



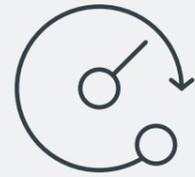
With 88 Drive Technology Centers worldwide, we are always close to our customers – and their customers.

**5%**

Robot drive torques can be simulated with up to 5% accuracy.

# Facts and figures

The impressive figures relating to machine automation at SEW-EURODRIVE speak for themselves.



Our parallel arm kinematic kits are capable of picking up to 200 items a minute.

**200**  
**picks**



**50%**  
Thanks to our preconfigured MOVIKIT® software modules, the time you need for programming is cut by half.

**> 20 000**  
We move the future – with over 20 000 employees worldwide.

With SEW-EURODRIVE, you get all the drive and automation technology you need from a single source.

**100%**

Patented innovation – we register more than 120 patents a year in Germany alone.



**120**  
**Patente**

Delay-free robot motion planning in a millisecond.

**1 ms**



# Offer and benefits

06

# Our offering

## Creating a complete machine faster

Our MOVI-C® modular automation system offers any number of possibilities for quickly automating a variety of machines and implementing automation projects fast. As a reliable partner, we aim to make things even easier for our customers. With the millions of potential combinations in our product portfolio and prefabricated automation solutions, we will go the extra mile for you.



MOVISUITE® engineering software web operator panel (WOP)



MOVIKIT® bundle on a memory card

## Simply easy



StarterSET

## Preconfigured solutions



MOVI-C®: MOVIDRIVE® modular - inverter for multi-axis applications




MOVI-PLC® I/O-System

CM3C63S series synchronous servomotor with PxG® planetary servo gear unit

## Endless expandable



## One stop shop

MOVI-C® CONTROLLER progressive UHX65





# Your benefits

---

- **Collaborative partnership**  
In us, you will have a partner, not just a service provider. We will work with you to find the best solution, tailored perfectly to your needs.
- **One stop shop**  
SEW-EURODRIVE has the largest portfolio of machine automation with industry-specific expertise – the perfect solution for every requirement.
- **Local support – globally**  
We are therefore on the ground locally for you and your customers.
- **Application-specific**  
Your contact for industry- and application-specific machine solutions.