

## Metalworking

- » Workpiece handling
- » Palletizing systems
- » Tray stackers
- » Production automation



Productive  
Qualitative  
Robotive

## Challenges for your business

Labor shortage

Limited space

Reduction of the risk of interference

Increased burden for employees

Shortening of process times

Guarantee of call-off flexibility

Reduction of storage space

Production growth

Downtime for testing

Seamless production

## Your solution – our mission



nexofix<sup>®</sup>

AMETEK<sup>®</sup>

**The rapidly changing requirements on the market present the metal industry in particular with permanently new challenges.**

These include massive cost pressure juxtaposed with increasing quality and safety regulations in manufacturing.

Constant changes, increasing complexity of products, shortening of product life cycles and acceleration of production processes are leading to greater demand for know-how and skilled workers.

Ensuring continuous, high-quality production and minimizing downtime no longer requires only qualified specialists, but more far-reaching developments.

The increasing shortage of skilled workers is further intensifying the situation.

In this context, it is essential to explore new approaches. Sustainability and energy efficiency as well as technology trends such as Industry 4.0 or e-mobility are just a few terms that point the way to a successful future.

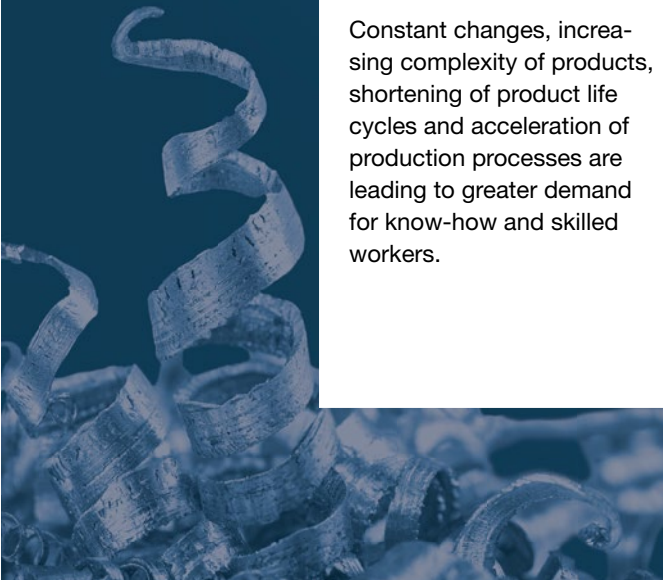
These goals and challenges are difficult to achieve without the help of advanced, automated solutions.

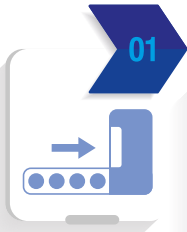
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Automate your production!  
But how?

Modular applications, manufacturer-independent interfaces and intelligent monitoring systems are necessary for successful, future-proof production – your success is our mission!

Due to the automation competence in metal processing, EGS has created a variety of modules in the hardware and software area, which allow to automate your processes efficiently and cost-effectively.





Feed raw part



Isolate



Position



Control



Rework



Remove finished part



Fine positioning



Insert raw part



Pre-clean



Process



Join/mount



Connect



Mark



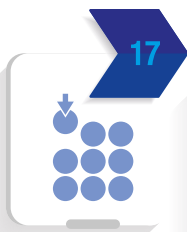
Clean



Measure



Check optical, tactile, electrical



Deposit finished part



Palletize



Package



Label

” Your solution

SUMO automation systems – sophisticated, field-proven and mature – a range of economical standard solutions that can be used in numerous applications.

**Your new team member in the process chain.**



” Flexible and future-proof –  
our standard systems

They are the basis of many different customer projects. For example, the SUMO system is used in one project in front of a turning/milling center, and in another project in front of a hardening system. The tasks are as varied as the areas of application.

If the task in one project is to load and unload the machine with positional accuracy, in another project the parts can also be measured.

Depending on the requirements, the system can be adapted to your production.

**Convince yourself...**

... as a start

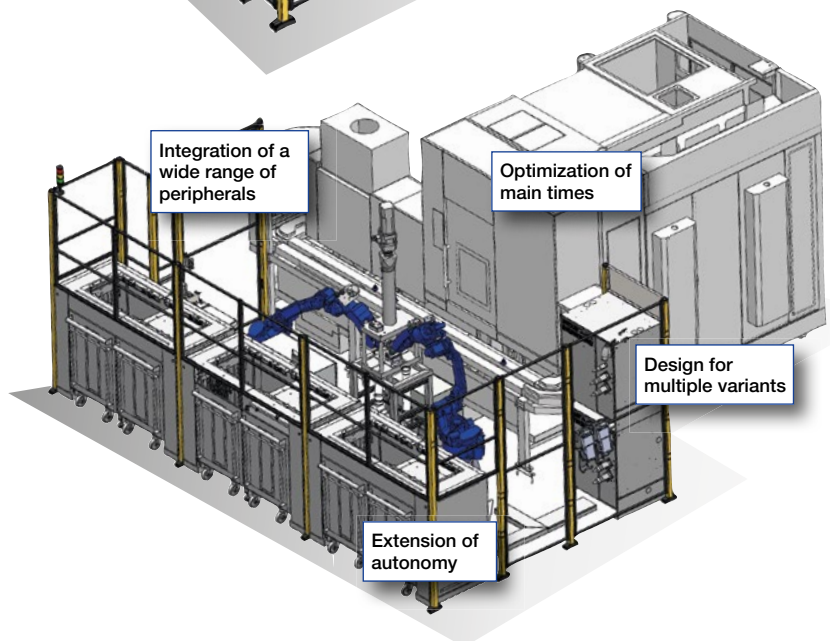
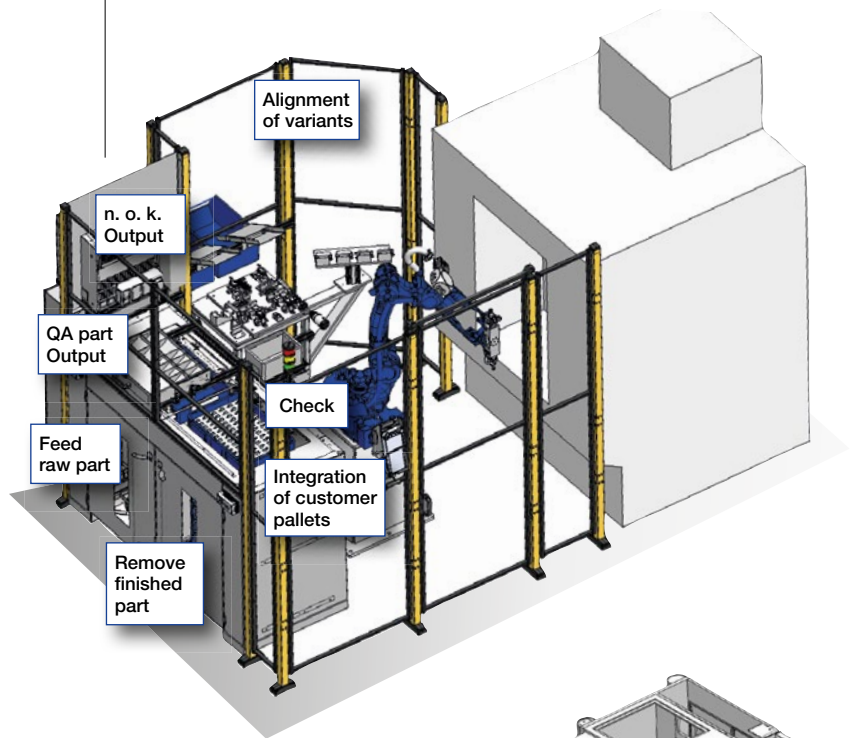
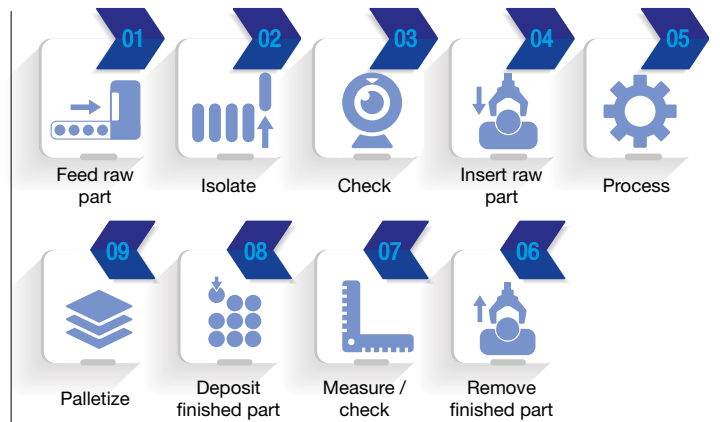
**into the world of automation:**  
**Your new team member**  
**SUMO ECOPLEX2**

- » Flexible, ergonomic, efficient
- » Variable workpiece feed
- » Fast and easy loading with high autonomy

... as an extension

**of your existing systems:**  
**Your flexible team member**  
**SUMO ECOPLEX2**

- » Increase your productivity and efficiency
- » Your partner for complete or partial solutions adapted to your requirements and requests



... as your system partner on the way to your automated production

**Your competent partner from planning to realization**



” The System  
at a glance

It's time for  
your new  
**SUMO**  
system



Choose the automation system that fits best to your task

**DUPLEX**

**QUATROPLEX**

**MULTIPLEX**

<b>Max. robot payload</b>	10 kg	12 kg	25 kg
<b>Max. robot range</b>	1,101 mm	1,440 mm	1,730 mm
<b>Autonomy / Capacity</b>	2 pallets	4 pallets	12 pallets
<b>Possible pallet / Workpiece carrier type</b>	¼ Euro pallet*	¼ Euro pallet*	¼ Euro pallet*
<b>Max. part weight</b>	7.5 kg	7.5 kg	7.5 kg
<b>Max. pallet load</b>	20 kg	30 kg per storage level	20 kg
<b>Pallet change time</b>	< 10 s	< 10 s	< 10 s
<b>Surface palletizing system</b>	ca. 1.40 x 1.18 m	ca. 1.80 x 1.50 m	ca. 1.40 x 1.09 m
<b>Height palletizing system</b>	ca. 2.00 m	ca. 2.00 m	ca. 2.00 m
<b>Weight</b>	ca. 550 kg	ca. 750 kg	ca. 600 kg

\* ¼ Euro pallet is 600 mm x 400 mm

” Your advantage:

The perfect mix of customized solutions based on standardized modules.

Coordinated interfaces, proven software modules and highly available hardware save you time and reduce your effort.



## ECOPLEX2

## FLEXIPLEX

25 kg	25 kg
1,730 mm	1,730 mm
1 stack with 800 mm net stack height	Dimensions of the active feeding belt: 600 mm x 1,950 mm in 4-5 tracks depending on the adjustment range.
Different formats up to max. ¼ Euro pallet*.	Manual insert
7.5 kg (optionally more)	15 kg
20 kg (optionally more)	–
< 10 s	–
ca. 1.35 x 2.14 m	ca. 3.95 x 1.50 m
ca. 2.31 m	ca. 2.20 m
ca. 900 kg	ca. 800 kg

” Your advantages with EGS Automation – what characterizes us

Thanks to modern technology, people and EGS Automation can work efficiently side by side 365 days a year in three-shift operation. More than 2,150 robots sold speak for themselves – and more are being sold every day!

By integrating our robotic systems into your operations, you add an intelligent solution to your workforce that offers the benefits of fully automated, reliable operation.



**High machine availability**  
due to proven, standardized modules



**Short delivery times**  
Available within 14 weeks\*.

\*Deviations from the standard systems can lead to longer delivery times



**Long service life**  
The robust design and the protected arrangement of sensitive components and sensors enable a long service life of the system.



**Everything from a single source**  
From design and programming to commissioning and servicing of the systems.

After all, you need a reliable new production member!

” Are you interested in our services?  
Then contact us with your tasks.

Together we will find the perfect and individual  
solution for you.

[www.egsautomatisierung.de](http://www.egsautomatisierung.de)



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