

Vacuum Automation

# Product Overview

[WWW.SCHMALZ.COM/AUTOMATION](http://WWW.SCHMALZ.COM/AUTOMATION)

# Schmalz: Vacuum Technology for Intelligent Automation and Ergonomic Handling

**1800**  
**employees**  
working hard for our customers.

**30**  
**locations**  
for outstanding customer service worldwide.

**9**  
**percent**  
of our revenue is invested in innovative ideas and new products.

**590**  
**copyrights**  
are proof of our groundbreaking innovations.



## **Schmalz is one of the Market Leaders in Vacuum Automation and Ergonomic Handling Systems.**

The wide range of products in the Vacuum Automation unit includes individual components such as suction cups and vacuum generators, as well as complete gripping systems and clamping solutions for holding workpieces, for example in CNC machining centers. The Handling Systems unit offers innovative handling solutions with vacuum lifters and crane systems for industrial and handicraft applications.

Our products are used in different applications for example in the logistics industry, the automotive industry, the electronics sector and in furniture production.

With comprehensive consulting, a focus on innovation and first-class quality, Schmalz offers its customers long-lasting benefits. Schmalz's intelligent solutions make production and logistics processes more flexible and efficient, while also preparing them for the increasing trend toward digitalization.

### Vacuum Automation



Components



Systems



Clamping solutions

### Handling Systems



Vacuum lifters and crane systems

## Efficient Automation with Schmalz Vacuum Technology

**8000**  
components

provide the right system for every application.

Our components enjoy wide use in a range of industries:

- Automotive
- Electronics
- Fiber composites
- Glass
- Logistics
- Packaging
- Plastics
- Sheet metal and metal products
- Solar
- Timber



Vacuum automation is one of the keys to creating efficient process flows in industry. With vacuum technology, sensitive materials such as food products, display glass, electronic components but also large-format sheet metal for car bodies can be gently gripped and handled dynamically.

## Our Digital Components Put Intelligence to Work

***“We don’t just talk about Industry 4.0 – we make it happen.”***

### Vacuum Automation 4.0

Our vacuum generators, needle grippers and vacuum and pressure switches are ready for the factory of the future.

Schmalz vacuum technology makes an important contribution to networked factories. Our vacuum components provide energy and process data needed for production 4.0 in real time. Our smart field devices, for example the compact ejectors, help to achieve high transparency in automated processes – for more productivity and more efficiency.



## Schmalz Vacuum Components for Every Application

*“Our product range  
has the right  
solution for every  
application.”*

Schmalz components for  
vacuum automation:

- Vacuum suction cups
- Area grippers and end effectors
- Special grippers
- Mounting elements
- Vacuum generators
- Valve technology
- Switches and system monitoring
- Filters and connectors
- Digital solutions



Our comprehensive range of vacuum technology lets you design custom-tailored vacuum systems. With first-class quality, intelligent networking and energy efficiency, they are the building blocks for productive automation processes.

## Schmalz Gripping Systems for More Efficient Processes

**100**  
percent

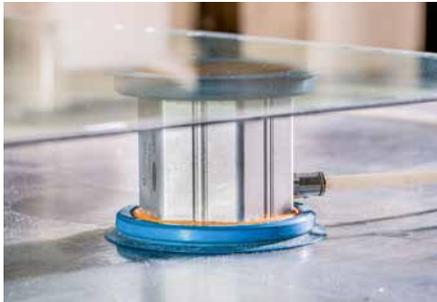
of customer requirements met,  
with tailored system design.



Our gripping systems are used in robots and other automated systems. They handle a wide range of palletizing and logistics applications. In the planning and design phase, Schmalz customers benefit from our many years of experience and our extensive know-how as a system provider.



## Schmalz Clamping Solutions for Reliable Machining



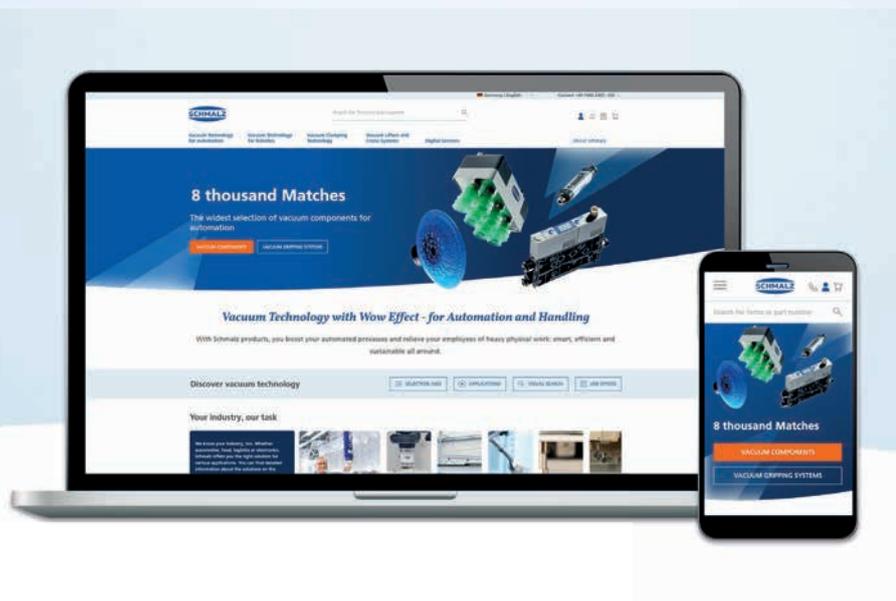
**3**  
*dimensional*

free-form surfaces and flat workpieces are clamped easily and securely.

Schmalz vacuum clamping solutions secure workpieces in CNC machining or assembly processes. They allow you to machine display glass, metal or furniture parts with precision and reliability. Even three-dimensional parts can be clamped flexibly and without additional set-up work.



## Find and Order Vacuum Components Quickly and Easily

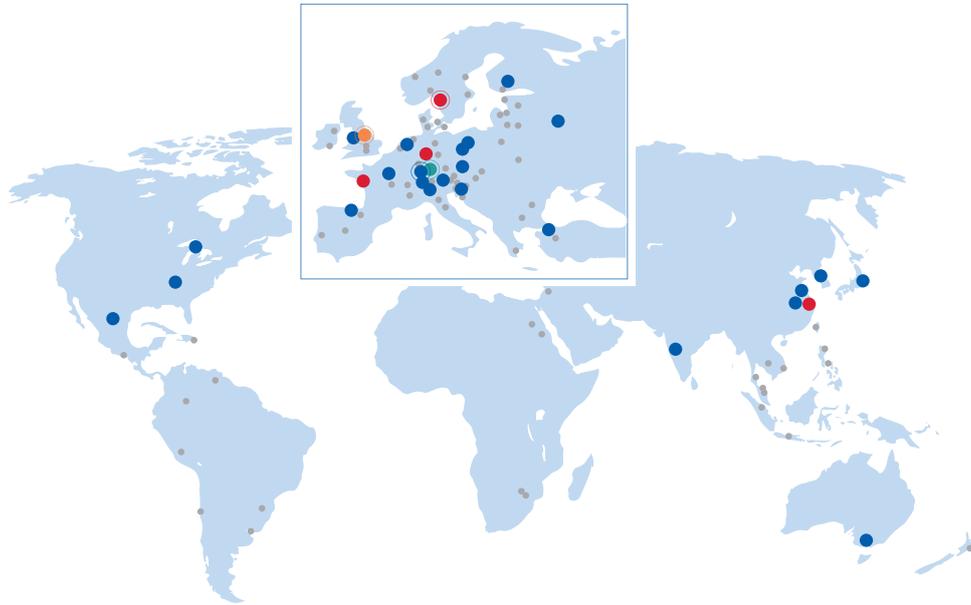


- Quickly find, compare, and save components to your watchlist
- Use selection tools and configurators
- Order parts directly
- Useful explanatory videos for many products
- CAD download
- Real-time price and availability check



**Schmalz Online Shop**  
[WWW.SCHMALZ.COM](http://WWW.SCHMALZ.COM)

## The Schmalz Group – Worldwide On Site



● Germany – Glatten

● International companies:

Australia – Melbourne  
 Austria – Pasching  
 Benelux – Hengelo (NL)  
 Canada – Mississauga  
 China – Shanghai  
 China – Taicang  
 Czech Republic – Hranice  
 Finland – Vantaa  
 France – Champs-sur-Marne  
 India – Pune  
 Italy – Galliate  
 Japan – Yokohama

● Sales partners

Mexico – Querétaro  
 Poland – Bydgoszcz  
 Poland – Poznan  
 Russia – Moscow  
 South Korea – Anyang  
 Slovenia – Vrhnik  
 Spain – Erandio  
 Switzerland – Nürensdorf  
 Turkey – Istanbul  
 United Kingdom – Manchester  
 USA – Raleigh

**BINAR HANDLING**

● Sweden – Trollhättan

● International companies:

China – Shanghai  
 France – La Haie-Fouassière  
 Germany – Staufenberg

 Palamatic

● United Kingdom – Chesterfield

 GPS  
GESELLSCHAFT FÜR  
 PRODUKTIONSSYSTEME

● Germany – Stuttgart

### Vacuum Automation

[WWW.SCHMALZ.COM/AUTOMATION](http://WWW.SCHMALZ.COM/AUTOMATION)

### Handling Systems

[WWW.SCHMALZ.COM/HANDLING-SYSTEMS](http://WWW.SCHMALZ.COM/HANDLING-SYSTEMS)

**J. Schmalz GmbH**

Johannes-Schmalz-Str. 1  
 72293 Glatten, Germany  
 T: +49 7443 2403-0  
 schmalz@schmalz.de  
 WWW.SCHMALZ.COM



schmalz.vacuumtechnology



schmalz\_group



schmalzmediacenter



schmalz



j-schmalzgmbh



schmalz\_de