

Vacuum Automation

# Product Overview

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

# Schmalz: Vacuum Technology for Intelligent Automation and Ergonomic Handling

**1300**  
**employees**  
working hard for our customers.



**19**  
**locations**  
for outstanding customer service worldwide.

## **Schmalz is the Market Leader in Vacuum Automation and Ergonomic Handling Systems.**

**8.5**  
**percent**  
of our revenue is invested in innovative ideas and new products.

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.

**450**  
**copyrights**  
are proof of our groundbreaking innovations.

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



Lifting systems and cranes

## Efficient Automation with Schmalz Vacuum Technology

**6000**  
**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
- Special grippers
- Mounting elements
- Vacuum generators
- Valve technology
- Switches and system monitoring
- Filters and connectors



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

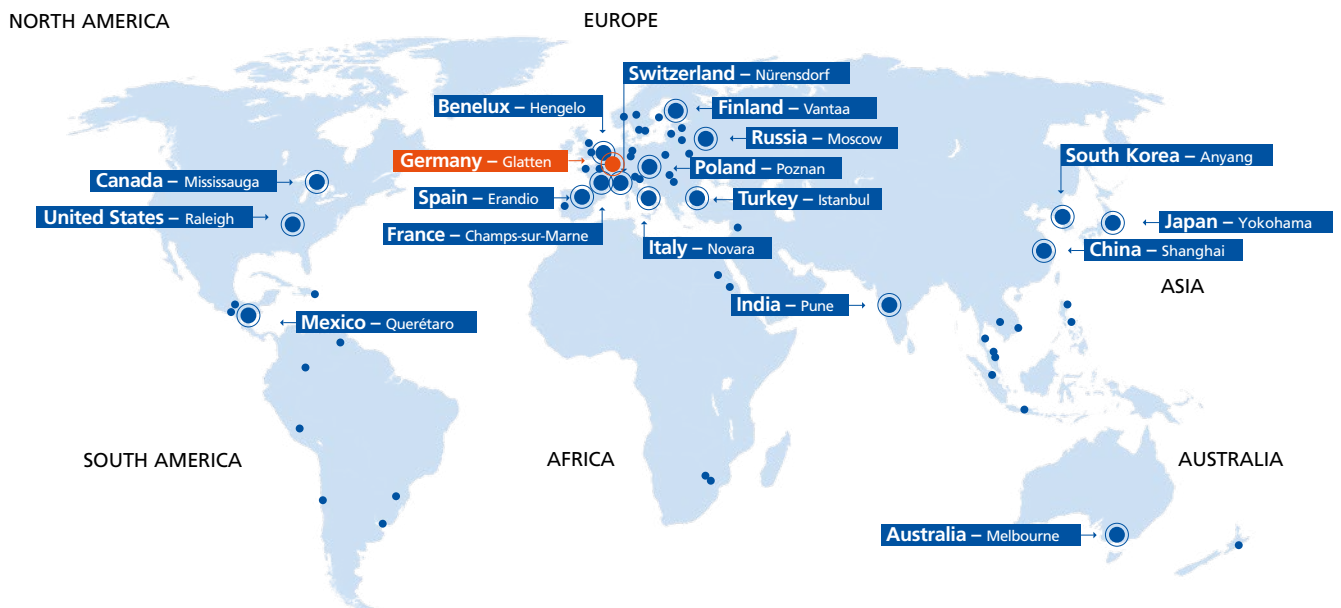


- Find and compare components quickly and save them in your watchlist
- Order parts directly
- Useful explanatory videos for many components
- CAD download
- Real-time price and availability checks



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

## At your service worldwide



### Headquarters

Schmalz Germany – Glatten

### Subsidiaries

Schmalz Australia – Melbourne  
 Schmalz Benelux – Hengelo (NL)  
 Schmalz Canada – Mississauga  
 Schmalz China – Shanghai  
 Schmalz Finland – Vantaa  
 Schmalz France – Champs-sur-Marne  
 Schmalz India – Pune  
 Schmalz Italy – Novara  
 Schmalz Japan – Yokohama

### Sales Partners

You can find the Schmalz sales partner in your country at:  
[WWW.SCHMALZ.COM/SALESNETWORK](http://WWW.SCHMALZ.COM/SALESNETWORK)

Schmalz Mexico – Querétaro  
 Schmalz Poland – Suchy Las (Poznan)  
 Schmalz Russia – Moscow  
 Schmalz Spain – Erandio (Vizcaya)  
 Schmalz South Korea – Anyang  
 Schmalz Switzerland – Nürens Dorf  
 Schmalz Turkey – Istanbul  
 Schmalz United States – Raleigh (NC)

## Vacuum Automation

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