

Vacuum Automation

Product Overview

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

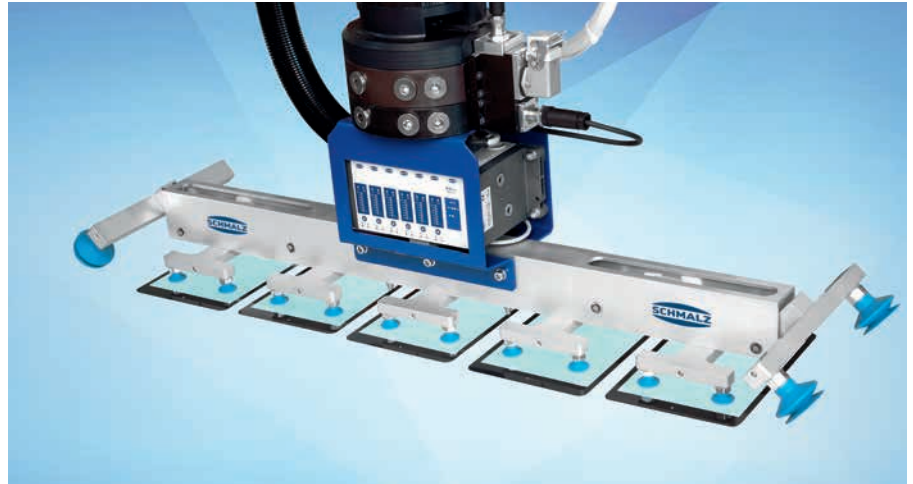
Efficient Automation with Schmalz Vacuum Technology

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

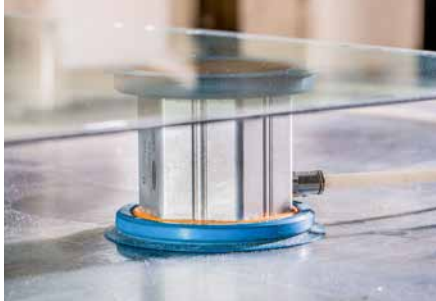
100
percent
of customer requirements met,
with tailored system design.



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



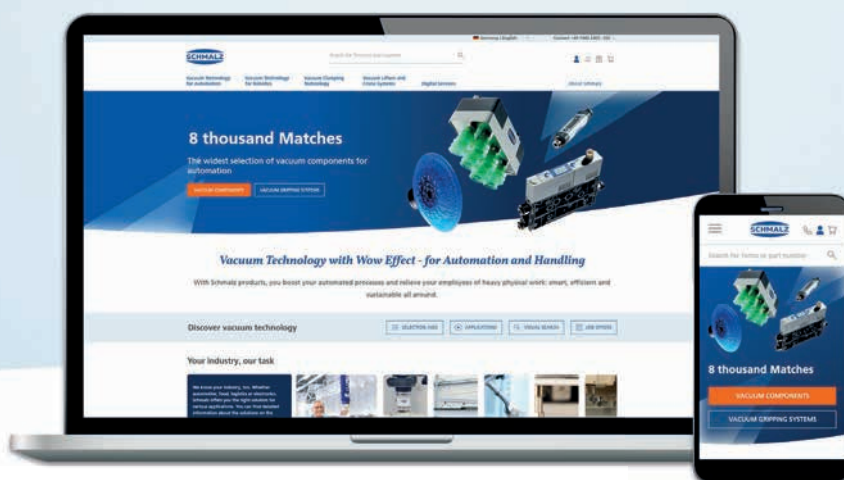
**3
dimensional**

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

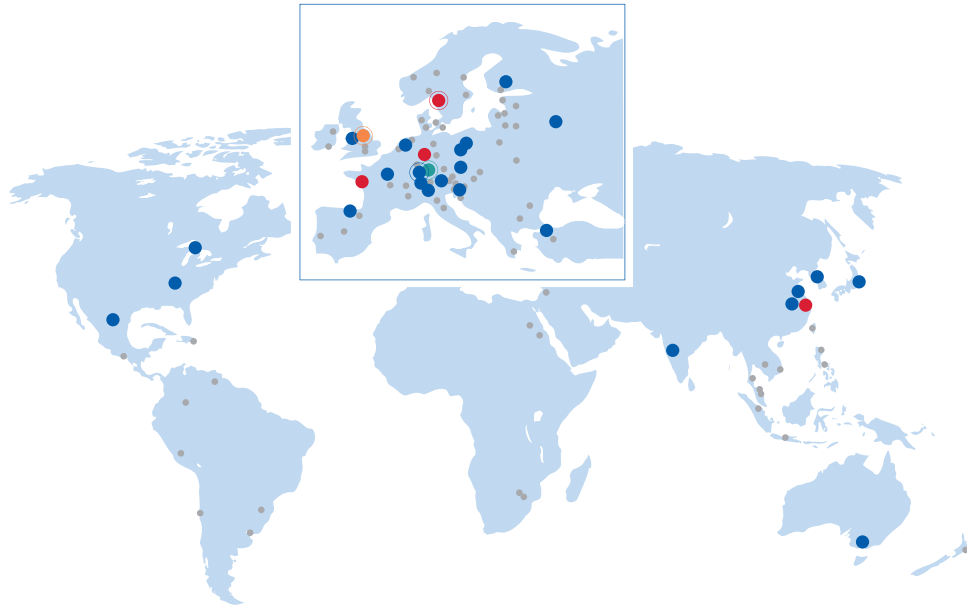


- Quickly find, compare, and save components to your watchlist
- Use selection tools and configurators
- Order parts directly
- Useful explanatory videos for many products
- CAD download
- Real-time price and availability check



Schmalz Online Shop
WWW.SCHMALZ.COM

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 – Vrhnika
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

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Handling Systems

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