Vacuum Technology for the Digital Factory

Connected to Control. Schmalz Connect.

WWW.SCHMALZ.COM/CONNECT
Industry 4.0 thrives on intelligent devices that communicate with each other in the digital factory. In the Schmalz Connect product range, Schmalz bundles a whole range of such smart field devices.

The state-of-the-art vacuum components are quickly integrated into the application environment via interfaces such as IO-Link, Ethernet or NFC. They continually gather and interpret energy and condition data from the process and make it available at the control panel, on the operator’s smartphone and in the cloud. Thus a seamless monitoring of the entire process becomes possible, enabling predictive maintenance to prevent downtime and optimize energy consumption.

"Quickly integrated, permanently monitored. That’s Schmalz Connect."

BENEFITS OF SCHMALZ CONNECT

QUICK START OF OPERATIONS
Ready for immediate use.
Integration via NFC, IO-Link and Ethernet makes the start of operations up to 75 percent faster.

EFFICIENT OPERATION
Optimum performance.
Monitor and optimize machine data and statuses from anywhere and in real time.

PREDICTIVE MAINTENANCE
Increased machine uptime.
Detect subtle changes and reduce the likelihood of imminent malfunctions – before they lead to system downtime.
The intelligent vacuum components from Schmalz gather data from the process and turn it into valuable insights. This transparency offers you advantages in all phases of the product life cycle: from the fast integration of the components through the efficient operation to the complete monitoring of the process. Early fault detection and timely, predictable maintenance ensure maximum system availability.

**Added Value Thanks to Digital Processes**

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**Start of operations**

- **Faster start of operations**
  - Identification and parameterization on the smartphone via NFC
  - Integration via IO-Link / Ethernet
  - Integration into virtual environments

**Operation**

- **Insights at all times**
  - Energy monitoring
  - Condition monitoring
  - Wear monitoring

- **Data made usable**
  - Aggregate and analyze data
  - Visualize processes and access them from any device
  - Further processing in the ERP system

**Maintenance**

- **Continuous optimization**
  - Reduce energy consumption
  - Minimize downtime
  - Increase productivity

- **Shorter service times**
  - Fast error analysis via smartphone or tablet
  - Service information on the device (operating instructions, storage location)
  - Maintenance can be planned
  - Plug-and-play device replacement

**Schmalz – The Company.**

Schmalz is the market leader in vacuum automation and ergonomic handling systems.

**1400** employees working hard for our customers.

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

**8.5%** of our revenue is invested in innovative ideas and new products.
Schmalz Connect combines the range of intelligent vacuum components, including vacuum generators, special grippers and vacuum and pressure switches.

Choosing future-proof vacuum technology has never been so simple.

"Industry 4.0 is made possible only by transparent process and condition data."

Schmalz ControlRoom: Control and Service App for NFC Devices

With the Schmalz ControlRoom app you evaluate the data from the Schmalz smart field devices on your Android smartphone and configure settings. Product and process data are exchanged wirelessly between the smart field device and the mobile device via NFC. The app facilitates the start of operations by scanning the device, reading information, adjusting values and transmitting data via NFC. During operation, the app optimizes the error analysis and wear monitoring.
Find and Order Schmalz Connect Components Quickly and Easily

Schmalz Online Shop
WWW.SCHMALZ.COM/CONNECT

- Find and compare components quickly and save them in your watchlist
- Order parts directly
- Real-time price and availability checks
- Useful how-to videos
- CAD download
- IODD and function blocks for easy integration of smart field devices

1 Visit the shop
Tip: Combine the web address with the product abbreviation.

2 Select product
Filter and select products using comprehensive product data and CAD models.

3 Order online
Conveniently order in our online shop and enjoy a wide range of benefits.

WWW.SCHMALZ.COM/SCPI


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Vacuum Technology from the Market Leader

Schmalz Select
Preferred product range for many standard applications

Schmalz Connect
Industry 4.0 range for the digital factory

6000 Components
make the widest portfolio on the market.

Simple selection, quick delivery, worldwide availability:
WWW.SCHMALZ.COM/SELECT

Quick to integrate, fully networked, constantly monitored:
WWW.SCHMALZ.COM/CONNECT
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

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