SCHMALZ

Connected to Control. Schmalz Connect.

Vacuum Technology for the Digital Factory

WWW.SCHMALZ.COM/CONNECT

Connected to Control. Schmalz Connect.

"Quickly integrated, permanently monitored. That's Schmalz 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.

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.

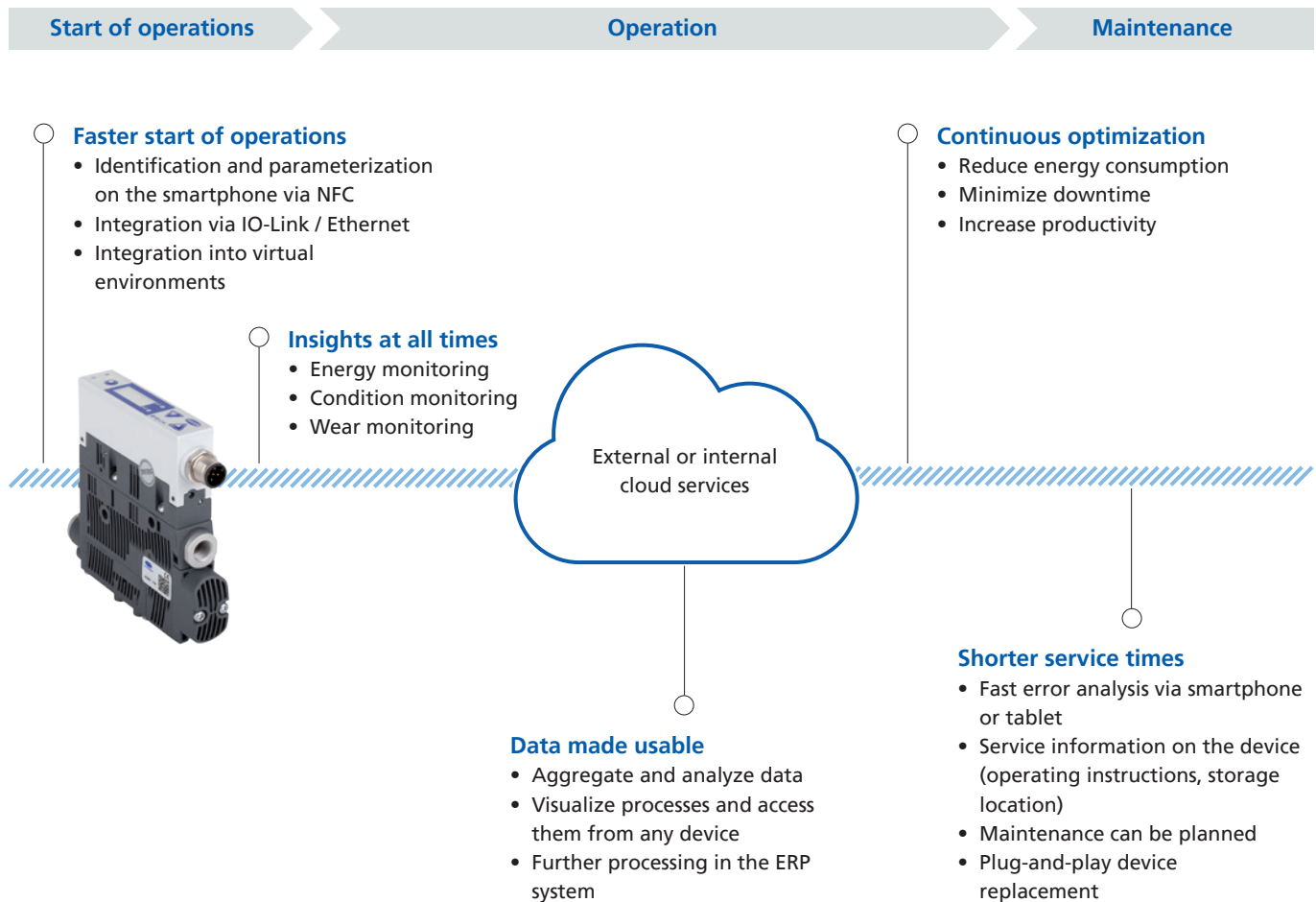Monitor and optimize machine data and statuses from anywhere and in real time.

PREDICTIVE MAINTENANCE

Increased machine uptime.

Detect subtle changes and reduce the likelihood of imminent malfunctions – before they lead to system downtime.

Added Value Thanks to Digital Processes

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.

Start of operations	Operation	Maintenance

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

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

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

External or internal cloud services

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

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

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

Intelligent Vacuum Components for Networked Production

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

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.

VACUUM GENERATION

Compact ejectors SCPSi, SCPi/SMPi, SXPi/SXMPi and compact terminal SCTMi

Electrical vacuum generators ECBPi

GRIPPING

Needle grippers SNGi-AE

MONITORING

Vacuum and pressure switches VSi

Up to **75** *percent*

less time spent on start of operations

GET IT ON **Google Play**
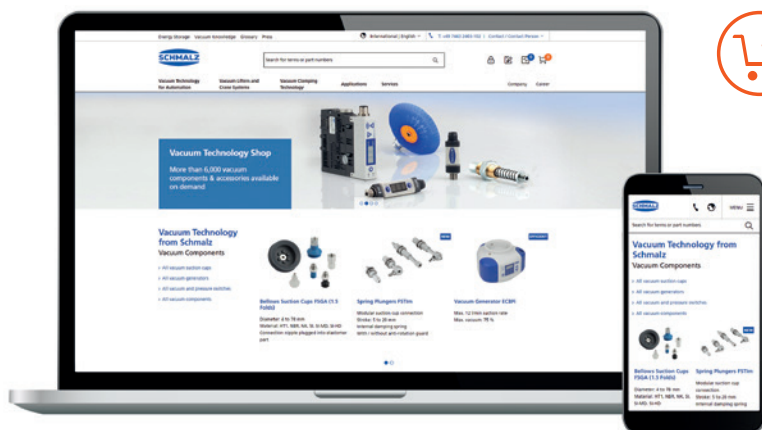
READING OUT AND PARAMETERIZING

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.

WWW.SCHMALZ.COM/**SCPI**

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

Schmalz Connect.

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

Add to Shopping Cart

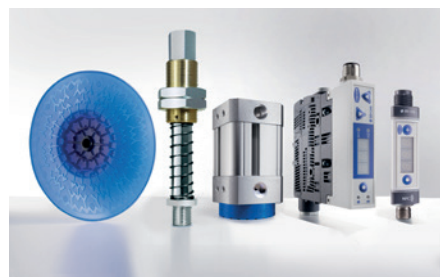## ◄ · · · · · Vacuum Technology from the Market Leader · · · · · ►

Schmalz Select
Preferred product range for many standard applications

The right solution for every application, from standard to high-tech.

Schmalz Connect
Industry 4.0 range for the digital factory

6000
Components
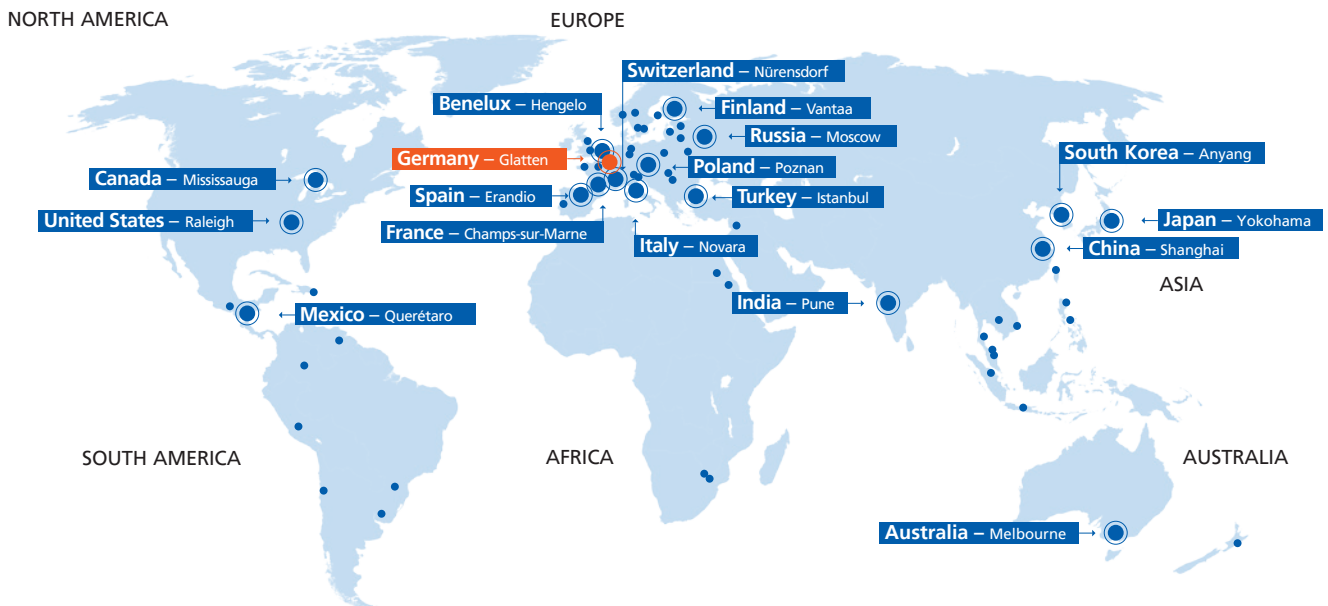**make the widest portfolio on the market.**

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

NORTH AMERICA

EUROPE

Switzerland – Nürensdorf

Benelux – Hengelo

Finland – Vantaa

Russia – Moscow

Germany – Glatten

Canada – Mississauga

Poland – Poznan

Spain – Erandio

Turkey – Istanbul

United States – Raleigh

France – Champs-sur-Marne

Italy – Novara

South Korea – Anyang

Japan – Yokohama

China – Shanghai

ASIA

Mexico – Querétaro

India – Pune

SOUTH AMERICA

AFRICA

AUSTRALIA

Australia – Melbourne

🔴 **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
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• **Sales Partners**

You can find the Schmalz sales partner in your country at:
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 – Nürensdorf
Schmalz Turkey – Istanbul
Schmalz USA – Raleigh (NC)

Vacuum Automation

T: +49 7443 2403-102

Handling Systems

T: +49 7443 2403-108

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