

The New SCPM: Vacuum Generation Made Compact

Small, powerful and scalable – the SCPM from Schmalz represents a new series of compact ejectors that can be integrated directly into the vacuum gripping system thanks to their slim, lightweight design.

The company has developed the new SCPM family in response to the growing demand for space-saving, decentralized vacuum generators that combine powerful suction with straightforward integration. Their optimized power density and compact dimensions allow the ejectors to be used very close to the suction cup. Up to 16 ejectors can be easily blocked to form a compact pneumatic unit with just one connection. This means that users can set up and individually control this number of vacuum circuits with one device, allowing different parts to be handled independently of one another with only one terminal.

A further interesting feature is the modular system, which greatly simplifies the selection of the right vacuum generator: Using different modules, three different versions can be created with just one main body. In addition to the basic version SCPMb, there is also a 'c' version – where 'c' stands for 'controlled'. With additional features such as the automatic air-saving function and active blow off, this version reduces compressed air consumption during handling by more than 80 percent. The intelligent 'i' version of the SCPM also offers numerous functions for monitoring and controlling the entire production process.

SCPMi: Read, Write, Analyze

The SCPMi version is equipped with an IO-Link interface and NFC (near field communication) and transmits all relevant process data clearly to mobile devices and computers. This allows systems to be monitored continuously and means that any faults can be quickly remedied before substantial costs are incurred. In combination with the Schmalz ControlRoom app, the pneumatic vacuum generators can be read out and parameterized directly on the system at any time using mobile terminal devices. The user receives important service and maintenance information directly on their smartphone or tablet and can also access information such as the operating instructions or serial and order numbers. With functions such as predictive maintenance, the intelligent version of the SCPM ejector increases productivity by up to ten percent.

Meta-Title: Schmalz: New SCPM Generates Vacuum in the Smallest of Spaces

Meta-Description: Powerful and small: Schmalz develops new compact ejectors that can be installed directly on the gripper.

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Images:

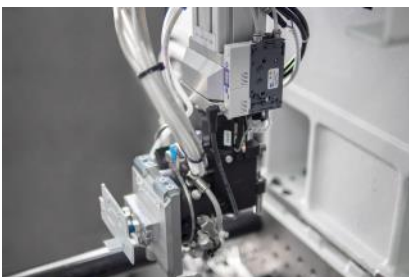


Image 1:

Compact Ejector SCPMc ("controlled") while removing plastic injection-moulded parts.

Images: Schmalz

Company

Schmalz is the global market leader in vacuum automation and ergonomic handling solutions. Schmalz products are used worldwide in applications in the logistics, glass, metal, automotive, packaging, and wood industry sectors.

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. Our Handling Systems unit offers innovative handling solutions with vacuum lifters and crane systems for industrial applications.

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.



With its own locations and its sales partners, Schmalz is represented in more than 80 countries and in all important markets. The family owned company has over 1,100 employees at its headquarters in Glatten (in the Black Forest region of Germany) and its 17 international subsidiaries.

Schmalz' US headquarters in Raleigh, N.C., has been in operation since 1993 and employs about 100 people.

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