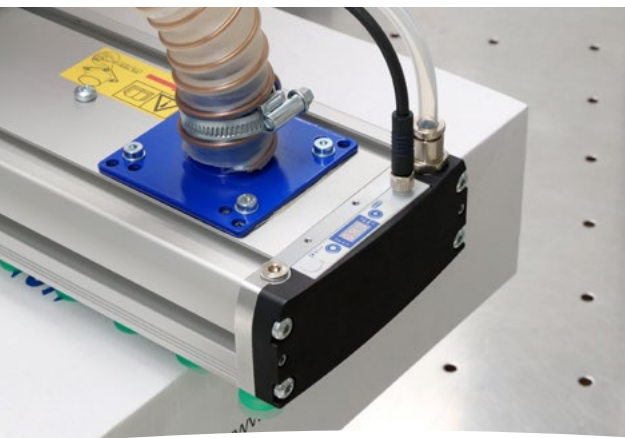


The new Area Gripping Systems FXP-i and FMP-i are equipped with intelligent condition monitoring functions.

- ▶ FXP-i with integrated vacuum generation and air saving function
- ▼ FMP-i with vacuum valve for external vacuum generators



**NEW**

# Area Gripping Systems FXP-i / FMP-i

## Universal Grippers with New Highlights



### Intelligent process monitoring

- Condition monitoring function to increase plant availability
- Predictive maintenance function to avoid downtime
- NFC technology allows easy parameterization with a smartphone
- IO-Link interface communicates value-added data to all common fieldbus systems



### Optimized energy efficiency

- Automatic air saving function reduces operating costs (FXP-i version)
- Energy monitoring always enables efficient operation

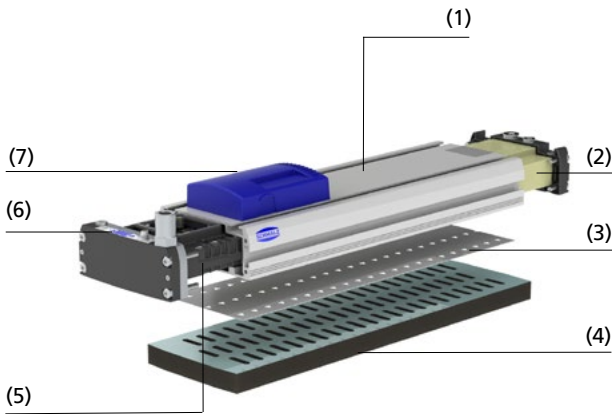


### Proven flexibility

- Handling of workpieces regardless of their size, material and surface
- Safe gripping even with partial occupancy or different pickup positions
- Sealing elements (sealing foam or suction cups) can be selected to suit the application

# Area Gripping Systems FXP-i / FMP-i

Universal Grippers with New Highlights



## Design

- Aluminum basic profile (1) with lateral T-slots for sensors and integrated air guide for singulation
- Vacuum booster (2) for fast evacuation and maximum holding force
- Valve film (3) with self-cleaning effect for fast exchange of valve type and size
- Sealing element (4): quick-change foam or suction cups with push-in function
- Ejector (5) with high suction volume (vacuum valve with FMP-i)
- End cover with integrated functions (6), LED display and two-button control panel
- Silencer (7) reduces the sound level to 74 dB(A)

Design Area Gripping Systems FXP-i



## Ordering Data Area Gripping Systems FXP-i / FMP-i (Configuration Examples)

Type: FXP-i (Vacuum generation integrated)	Valve technology			Length [mm]	Suction rows / Hole spacing	Sealing element	Vacuum generation	Part no.
FXP-i-SVK 442 3R18 O20	Check valves	442	3R18	Dichtschaum	1 Ejektor	10.01.38.06676		
FXP-i-SVK 1234 3R18 O20	Check valves	1.234	3R18	Dichtschaum	2 Ejektoren	10.01.38.06691		
FXP-i-SVK 442 3R54 SPB2-40P	Check valves	422	3R54	Sauggreifer	1 Ejektor	10.01.38.06692		
FXP-i-SVK 1234 3R54 SPB2-40P	Check valves	1.234	3R54	Sauggreifer	2 Ejektoren	10.01.38.06693		

**Note:** The Area Gripping Systems FXP-i / FMP-i can be configured individually. The articles shown are preconfigured grippers for common applications. Please contact us for an individual configuration.



## Technical Data Area Gripping Systems FXP-i / FMP-i

Type: FXP-i (Vacuum generation integrated)	Number of suction cells			Air consumption [l/min]*	Suction rate max. [l/min]	Suction force [N]**	Weight [kg]
FXP-i-SVK 442 3R18 O20	66	250	1.050	550	2,1		
FXP-i-SVK 1234 3R18 O20	198	875	2.940	1.650	6,1		
FXP-i-SVK 442 3R54 SPB2-40P	23	250	1.050	250	3,1		
FXP-i-SVK 1234 3R54 SPB2-40P	66	875	2.940	720	8,0		

\*For compressed air with 5.5 bar input pressure

\*\*At -0.25 bar and with the gripper fully covered by a workpiece typical for the application



[WWW.SCHMALZ.COM/FXP-FMP](http://WWW.SCHMALZ.COM/FXP-FMP)