



Expertise
Passion
Automation

ROBOTIC SOLUTIONS

Dress your cobot with SMC

COMPONENTS FOR COLLABORATIVE ROBOTS



Dress your cobot with SMC



Pre-designed robot cabinets

SMC's engineering and assembly offer pre-designed robot cabinets for your needs. Contact us and let's discuss about your needs.



EASY CONTROL OF YOUR 7TH AXIS WITH URCAP



Our most powerful electric actuator for high loads

⊕ LEJS

- High-speed transport of heavy loads
- Supports eccentric loads with high accelerations
- Move your workpieces at ease
- Reduce installation time – Easy mounting of the main body

Large slider type belt drive (230 VAC)

⊕ LET-X11

- Transfer loads over long distances – Up to 240 kg horizontally and 70 kg vertically. Stroke up to 3000 mm.
- Boost speed and productivity – Able to up to 4000 mm/s speed, 20000 mm/s² acceleration
- Optimise accuracy – ±0.08 mm of positioning repeatability
- Use it adaptively, resiliently – Flexible mounting plus robust impact/vibration resistance.



Electrical gripper compatible with UR, Fanuc and Omron

⊕ LEHR

- Perfect fit – Certified by leading cobot manufacturers
- Simplify your installation and setup time – Plug&Play solution
- Assure drop prevention without energy consumption
- Cut your downtime – Battery-less absolute encoder



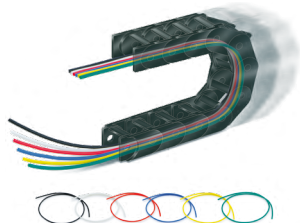
Robotic training systems

SMC has vast didactic portfolio and department dedicated to create solutions for education.

Contact your local SMC teams for more information on cobot training solutions!



FITTING & TUBING



Wear-resistant tubing

⊕ TUZ

- Max. abrasion after 10 million cycles: 0.16 mm
- Applicable tubing O.D.: Ø 4 to Ø 12 mm
- Operating temperature: -20 to 60 °C.

Rotary one-touch fittings

⊕ KS/KX

- Ball race bearing
- Tube rotation prevention mechanism
- Special version for high-speed applications (KX)

Components for collaborative robots

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Wireless IO-units

Want to hear how our wireless solution can be used in robotic applications?

END OF ARM SOLUTIONS



All electric Vacuum Grippers for Cobots

⊕ ZXPE5

- Minimise your mounting tasks
- Achieve flexible handling
- Doesn't require an air source



Compact Compressor

⊕ CRP

- Supplies compressed air in an environment with no air source
- Compact and lightweight design to allow installation in moving robots
- Forget about daily maintenance – Oil-free reciprocating compressor
- Install it in quiet areas – As low as 55dB.



Foam Type Vacuum Gripper

⊕ ZGS

- Combines all functions required for adsorption
- Minimise your mounting tasks
- Achieve flexible handling



Non-contact Grippers

⊕ ZNC / ZNC-C

- Handle different sizes, materials & shapes gently
- Reduce your costs - Important reduction on the ratio of air consumption to lift force
- Different body materials for different situations
- Use it directly on food (ZNC-C)



Compact 5-Port Solenoid Valve

⊕ JSY

- The thinnest valve in the world without compromising the flow
- Reduce cycle times considerably
- Flexible piping and electrical connection with plug-in

General & Manufacture Dedicated Components



FANUC



OMRON

UNIVERSAL ROBOTS

ABB

Kawasaki
Powering your potential

YASKAWA

SMC solutions can boost your robots' applications

Interested to see how SMC's grippers work? Click the video on the right to see our end of arm tools in action.





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