



Cobot Smart Gripper CSG

Area Gripper for Cobots



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Cobot Smart Gripper CSG – The area gripper for *your application*

Cobots enable direct collaboration with team members and can be used *flexibly and in a space-saving manner*, especially for monotonous and physically demanding work steps. As a result, the goals of process improvement, cost savings and employee wellbeing can be achieved in parallel. An important consideration in the use of cobots is a suitable gripper, which must fulfil special requirements that are defined in the ISO TS 15066 standard, among others - lightweight, universally usable and quick to integrate.

The Cobot Smart Gripper CSG is ideal for the fast and cost-efficient automation of processes, e.g. *pick and place applications in the packaging industry*, but also assembly tasks or a wide range of mechanical processes. With its size of just 300x130 mm, it is compact, lightweight, space-saving and therefore ideally suited for *palletising cartons*.

Thanks to the *three versions* of our Cobot Smart Gripper, we can offer the right solution for every customer requirement. The fully *electric version* with an energy advantage of up to 90% compared to pneumatic grippers to optimise sustainability and energy efficiency. Depending on the porosity of the material to be handled even with a payload of up to 35 kg. The version with *ejector operation* and blow-off function for fast pick and place tasks. Or the version *without* its own *vacuum supply* for use in processes with an existing infrastructure to generate the vacuum.

Thanks to the use of sealing foam the area gripper offers perfect adaptation to the respective product, even with rough or textured surfaces, and therefore a wide range of possible applications.

“ *Our product versions offer the right solution for every requirement.* ”

All versions have a built-in display to show the actual and target vacuum level. Process parameters can be set using the buttons next to the display. The flange connection to the cobot conforms to the ISO 9409-1 standard. Thanks to the user-friendly software the area gripper can be set up and operated intuitively.

Our Cobot Smart Gripper is *compatible* with all top cobot brands as well as wide range of industrial robots, regardless of the users' levels of expertise or experience. The specific integration software is also available for selected cobots, enabling *plug&play operation*.



Solution-orientated:
Variable use and customised solution thanks to three product versions

Cost-efficient:
Increased efficiency thanks to intelligent control with energy-saving function

Flexible use:
Pick and Place in production and logistics up to 35 kg load capacity

Plug&Play:
The gripper can be operated quickly, easily and intuitively

High compatibility:
Compatible with a wide range of cobots and industrial robots



Three versions – Endless application possibilities:

1. 100% electric – 90% energy-saving compared to the pneumatic version – 100% cost-efficient:
With an internal 24V vacuum pump for „compressed air-free“ production
2. With ejector operation and blow-off function for faster depositing
3. With connection to an external vacuum pump/vacuum supply



Compressed air-free production

The 100% electric area gripper is specially designed for use with cobots. The version with an internal 24V vacuum pump is a game changer in terms of energy efficiency and paves the way for compressed air-free production. Compared to conventional compressed air solutions, up to 90% of maintenance and operating costs can be saved.

Sustainability needs innovation. And innovation is part of our daily routine. Our development and product management teams tackle new complex tasks every day to ensure energy-efficient and cost-saving production in the future.