MAGNETIC TOOL | COBOT SERIES | COBOT SMARTMAGGRIP E30



Featuring Variable Field Output (VFO) technology, this automation-ready magnetic gripper can be controlled using CANopen protocols to de-stack and pick single or multiple sheets. Adjustability of magnetic strength between 0 and 100% allows use of this magnet on both thin and thick sheets of varying sizes and material type. CANopen communication allows integration of multiple tools on the same CANopen bus, controlled simultaneously.

Feature

	COBOT SMARTMAGGRIP E30
Weight	0.90 kg
Max Breakaway ₁	56.30 kg
Working Load ₂	14.00 kg
Max shear	18.00 kg
Overall Height	170.00 mm
Magnetic pole footprint	36x31 mm

¹ Safety factor 2:1

Notice: The provided technical data are the higher limits recommended in static condition. To obtain the correct dimensioning of the product, it is necessary to hold account of all the applicable dynamic forces, including the inertia of the manipulator, the configuration of the tools and the external forces applied.

² Safety factor 4:1



Benefits

Electrical actuation of PERMANENT magnets

Fail safe when actuated at 100%

Destack, bin pick target parts with different thickness or sizes with one single tool

Control via CANOpen and power supply through a single M12 connector

Limited maintenance costs

Limited peripheral equipment costs

Very low power consumption

Reduced cycle time

Controlled integration costs



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