



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

ELAY30X5 Smart Tool	
Weight	5.70 kg
Max Breakaway ¹	223.00 kg
Working Load ²	55.75 kg
Optimal material thickness	0.40 mm
Max shear	44.60 kg
Overall Height	169.63 mm
Magnetic pole footprint	186.2x41 mm

¹ Safety factor 2:1

² Safety factor 4:1

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.

ELECTRICAL ACTUATION, VARIABLE FIELD OUTPUT, INTEGRATED SENSORS

Finally, the electrical control of magnets integrated into the brand-new E series. It combines Magswitch's patented magnetic technology and SMART features with electrical switching. This provides a new functionality of Variable Field Output (VFO), allowing for de-stacking of thin parts or optimizing performance for your target piece. Once the part is clear of adjacent parts, the tool can be fully switched for maximum performance.

Advantages

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

Benefits

Limited maintenance costs

Limited peripheral equipment costs

Very low power consumption

Reduced cycle time

Controlled integration costs



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