MAGNETIC TOOL | E SERIES | ELAY30X5 SMART TOOL



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

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

ELECTRICAL ACTUATION, VARIABLE FIELD OUTPUT, INTEGRATED SENSORS

Refer to the dimensional drawing below for the default mounting pattern. Custom patterns can be incorporated upon request.



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



Zoning de la Rivièrette, 65 7330 Saint-Ghislain (Belgium) T:+32 (0)65 76 40 40 E:service@pes-sa.com