

KENDRION SOLUTIONS

Electromagnetic grippers for collaborative robots

Power-free holding & plug-and-play installation

The HMG magnetic gripper from Kendrion was specially developed as an end-of-arm tool for collaborative robots (cobots).

It is based on the powerful permanent electro holding magnets of the GTN series and enables the secure gripping of flat or round workpieces made of steel or ferrous materials, such as sheet metal, screws, stamped parts, or bearing parts.

The electric control allows the gripping process to be precisely controlled – ideal for applications with high cycle times, such as pick-and-place processes. The end effector also impresses with its fail-safe function (secure holding in the event of a power failure) and particularly low energy consumption.

The modular design concept allows easy adaptation to individual

requirements. Various types of magnetic grippers can be flexibly integrated. The ISO-standardized mounting allows quick installation on collaborative robot arms – perfect for flexible production environments with short changeover times.

Product features

- Power-free holding with up to 700 N
- Compatible with robot flange according to ISO-9409-1-50-4-M6
- Fail-safe function
- No moving parts – low maintenance and long service life

Further application areas

- Metal processing and sorting
- Temporary fixation in assembly processes
- Automated test stations
- Parts feeding



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