Statement of Exclusion – TPGC / HGR Magnetic Gripper

With respect to ATEX Directive 2014/34/EU

We,

Goudsmit Magnetic Systems B.V.
Petunialaan 19
5582 HA Waalre
The Netherlands

hereby declare, on our own responsibility, that the device:

Article description:	**TPGC / HGR Magnetic Grippers – high temperature version**
Product keys:	**HGR*xx*-*xx*-*xxx*-*x*-FH/RH/MH-*x*-*x***

is outside the scope of ATEX Directive 2014/34/EU.

The basic product, without the optional sensor installed, does not have any moving parts other than pneumatically operated parts in a fully enclosed housing. There are no electrical circuits or other parts that would provide effective ignition source under normal operation, expected malfunction or rare malfunction. The device is therefore out of scope of the ATEX Directive 2014/34/EU. Hence the device will get no EX-marking but can be safely applied in ATEX gas zone 2 and dust zones 21 and 22 provided the following conditions are met:

- Regularly inspect the magnetic grippers for damage or leaks. Replace when excessive wear or damage is found. Ensure leak-free pneumatic operation.
- Protect the device from impacts with impact energies > 20 J for gas environments, or > 80 J for dust environments.
- The devices may only be operated with compressed air. The compressed air must not be drawn in from potentially explosive atmospheres.
- Taken into account that exhaust air and leaks may stir up dust deposits, thus resulting in a potentially explosive atmosphere.
- Prevent build-up of static electricity on the device by providing a means for equalisation of electrostatic charges. The electrical resistance to earth must be below 1 MΩ. The electrical resistance between the device and metallic frame, when in direct contact, is usually less than 10Ω. An electrical resistance of less than 25Ω is still acceptable. If you measure a larger resistance, a braided bonding cable (or other means) can be applied. This should have a resistance of less than 25Ω.
- Use only the high temperature variant with (conductive) nickel coating. Do not apply insulating layers/coatings with breakdown voltages > 4 kV to the device.

Waalre, The Netherlands, 9-1-2023

on behalf of Goudsmit:

Signature manufacturer: .....

Alwin de Bruine,

Compliance Engineer