

contact us:



hibot



GEEP

GENERATOR EXPLORATION PLATFORM



ULTRA-SLIM BODY



AIR GAP ADAPTABILITY



AUTO-ALIGNMENT



MULTI-DIRECTION MOBILITY

Cutting-Edge technology delivered in a 20mm-thin package

GEEP is a Generator Exploration Platform, used to inspect generators with the rotor in place. This greatly reduces downtime and inspection costs.

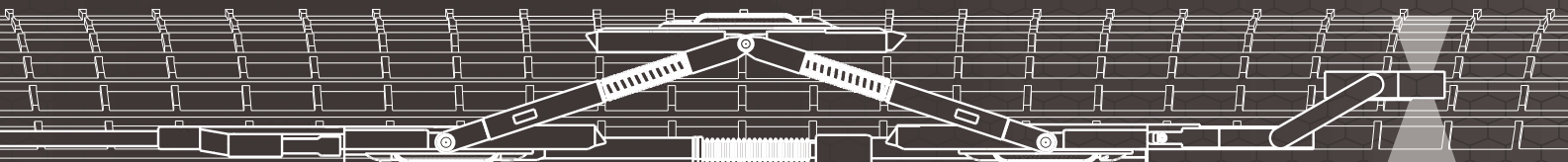
It makes use of hibot's expertise with mobility in confined and hazardous environments and employs extremely compact and custom-made electronics. In addition, GEEP benefits from HiBox, hibot's platform for data processing, management, and integration tailored toward inspection and maintenance of industrial infrastructure.

GEEP can operate in a wide range of generators, with entrance gaps as narrow as 0.9" (22.86mm), and air gaps up to 6" (150mm). Such a degree of flexibility allows GEEP to cover most of the generators used in the power generation industry.

GEEP boasts high-definition cameras for detailed visual inspection of generators, and an autonomous navigation mode, which frees the operator to perform other tasks while the machine is inspecting the generator. It can be equipped with additional sensors, such as ELCid and tapping sensors to inspect the integrity of wedges.

Another feature that sets GEEP apart from other similar machines is the capability to generate continuous 2D or 3D maps of the entire surface of the rotor and stator. Due to the high definition cameras and a localization system, the system allows for precise location of defects and visualization of the entire asset at a glance.

STATOR



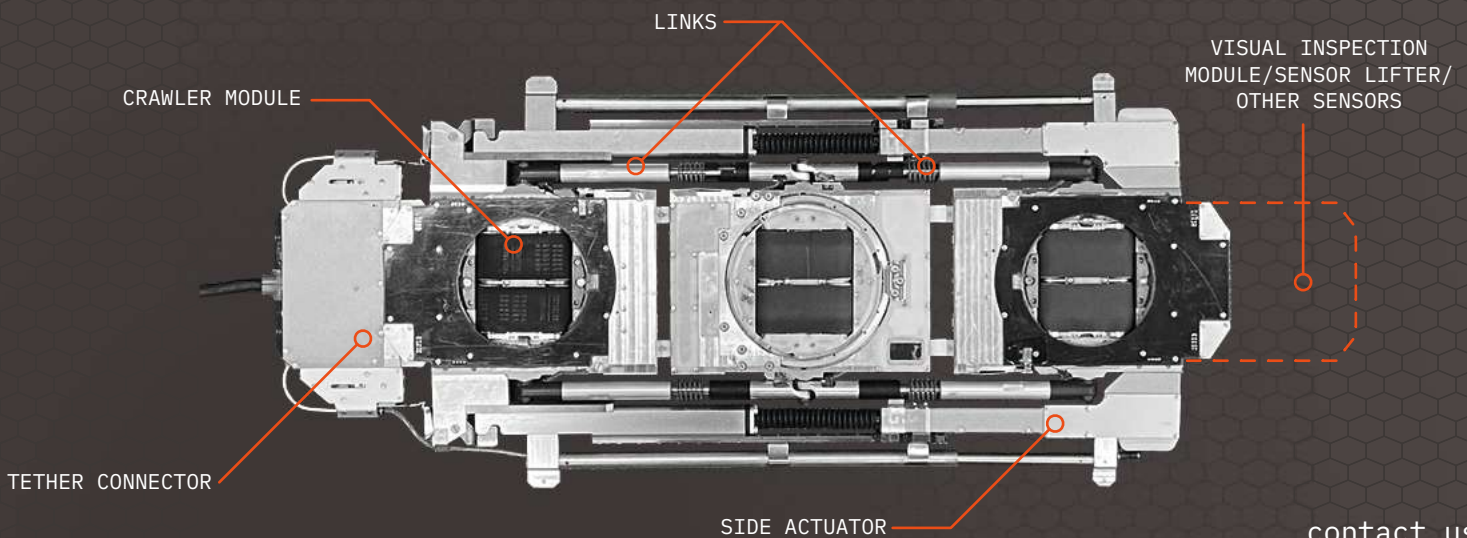
ROTOR



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Entrance Gap adaptability	22.86mm (0.9") or larger
Air Gap adaptability	55mm ~ 150mm
Length	630mm
Width	320mm
Thickness	20mm
Mass	4.7kg
Speed	150mm/s
Tether Length	25m
Tether reel control	Manual or autonomous
Sensing methods	Visual, wedge-tapping, ELCID (other sensors may be integrated)
Sensor Lifter module	240mm (L) x 120mm (W) (for wedge-tapping and ELCID inspection)
Visual Inspection module	170mm (L) x 160mm (W)



contact us:



hibot corporation
 5-9-15 kita shinagawa
 shinagawa-ku, tokyo
 141-0001 japan

hibot europe GmbH
 karl-friedrich strasse, 60
 52072, aachen, nw
 germany