

GE BIKE Platform



The BIKE platform is a magnetic wheeled robot capable of inspecting power plant and chemical facilities, with multiple applications in the oil&gas industry, such as vessel or pipe inspection.

Spectis[!]
Robotics

Can be used for all visual inspections on ferromagnetic steel structures

Lightweight & ultramobile (10kg)

Payload of 5kg

Fully remote controlled

2 integrated cameras

Capable of passing convex and concave corners of up to 90 degrees

Equipped with navigation aids (front & rear view cameras and 3D position view)

Can be easily equipped with multiple additional modules, such as HD PTZ camera, ultrasonic probes or borescopes.

Specification

- > Dimensions: Length 264 mm (10.4") x Width 190 mm (7.5") x Height 217 mm (8.5")
- > Weight: 10 kg (22lb) (without cables)
- > Payload: 5 kg (11 lb)
- > Speed: fully adjustable, max. 60 mm/s (2.3"/s)
- > Drive units: 4 integrated drives
- > Power Supply: 48V via umbilical cable from external supply station
- > Protection class: IP65
- > Motor controller: inspection robotics motor controller with integrated Active Slippage Control (ASC)
- > Communication: Gigabit Ethernet
- > Cable length: 30m (100ft) standard, longer on request
- > Rugged transport box, full software package, two built-in navigation cameras and umbilical

Supply Station

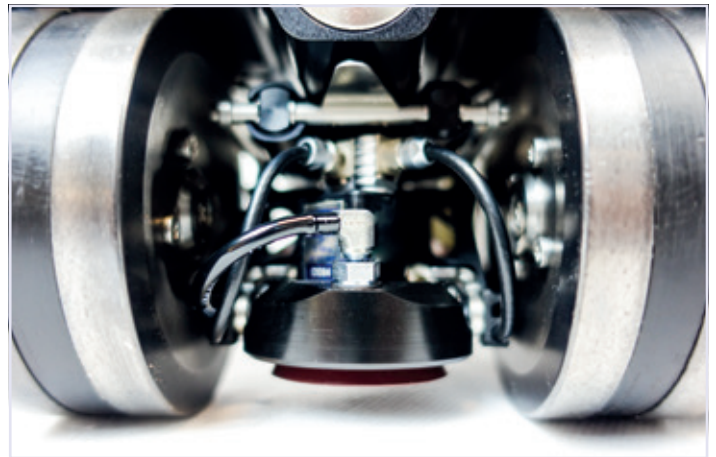
- > Control: Built-in touchscreen and industrial Joystick
- > Power Supply: 100-240 V AC 50/60Hz, max 200W
- > Dimensions: Length 340 mm (13.4") x Width 350 mm (13.8") x Height 130 mm (5.1")
- > Weight: 14kg (31lb) without cables
- > Rugged hard shell box all power & communications cable included, software pre-installed

Options and Upgrades

Pan-Tilt HD Camera for 360° views

Longer cable on request

PTZ Manway camera as a navigation aid



Images shown may not be an exact representation of the features listed.