

STINGER M100

PIPE INSPECTION ROBOT



gridbots

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Gridbots Inspector is a miniature yet powerful multifunction robot which can be used for remote inspection inside tight spaces where its very difficult to reach using traditional robotic bore scopes.

This robotic tool can not only provide visual Ultra high definition data but also provides 3D mapping and environmental data like oxygen level, CO2 level and presence of any hazardous gas.

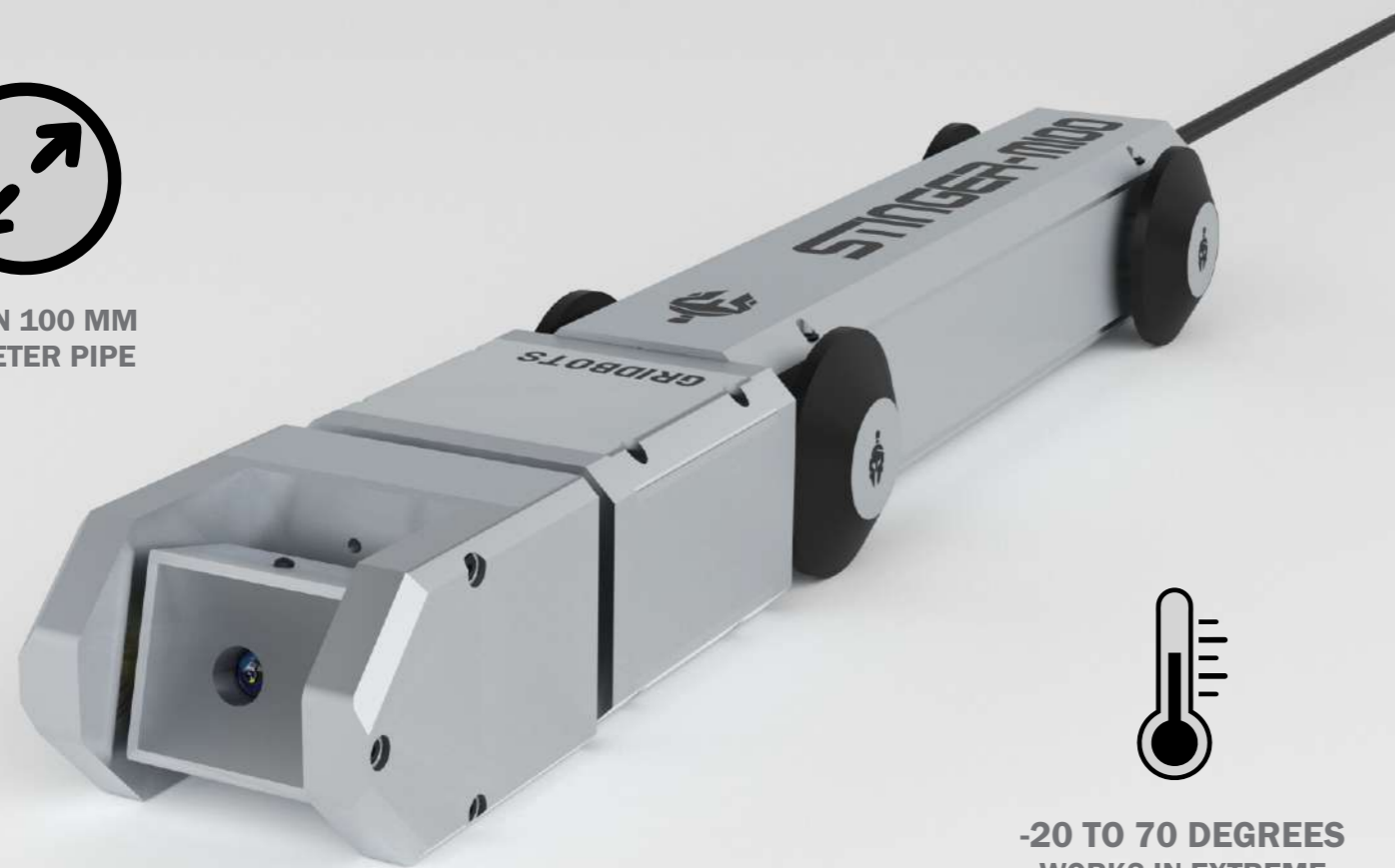
The robot can be manipulated using a remote control unit which provides realtime distance data reading on the console and allows user to control the robot in an intuitive manner.

The robot is made from aircraft grade aluminum and weighs less than 3 kg. It comes with option of 100 meter umbilical cord which can be extended on request.

The control cable winder/unwinder unit is easy to carry and provides kevlar support to the cable.



FITS IN 100 MM
DIAMETER PIPE



**-20 TO 70 DEGREES
WORKS IN EXTREME
TEMPERATURES**

MOST POWERFUL ROBOT FOR INSPECTING DIFFICULT TO REACH SPACES



MAINTAIN AND CONDITION
PIPELINE ASSETS



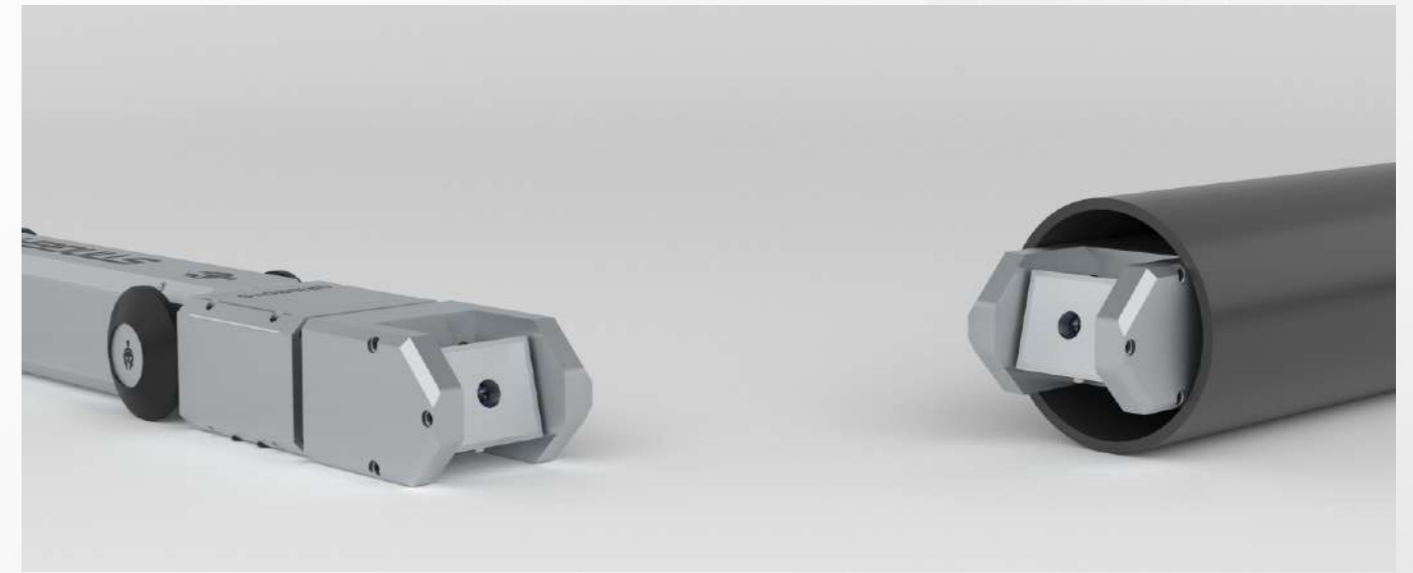
HIGH RESOLUTION
VISUAL INSPECTION



SAVE MONEY ON
MANUAL OPERATIONS



100% SECURE
100% SAFE



VARIANTS

Wheels
Four Powered Wheels

Payload
Upto 3 Kg

Drive Type
BLDC Drive

Moving Speed
Maximum of 50 MM/Sec

Encoder Motion Resolution
0.1 mm Increments

IMU
100Hz - 6 DOF

Provide Cable Length
100/200 Meters

Robot Weight
3 Kgs

Power
24V-50A [1 KW - Peak]

Cameras
2 UHD Camera[1 - Top Front Facing. 1- Belly Mount]

Remote Control
Tether Cabled [Kevlar wire rope]

Build Material
Aircraft Grade Aluminum and SS-316

SENSORS

AIR Quality Sensors

Ultra bright Illuminator

Sound Sensor

ENVIRONMENTAL

IP Rating
69

Temperature
5°C to 65°C

Humidity
95%, Non-Condensing



STINGER-M100



CONTROL UNIT



100 METER CABLE



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