



*gridbots*



# STINGER TD

PIPE OPERATION ROBOT

# STINGER WD

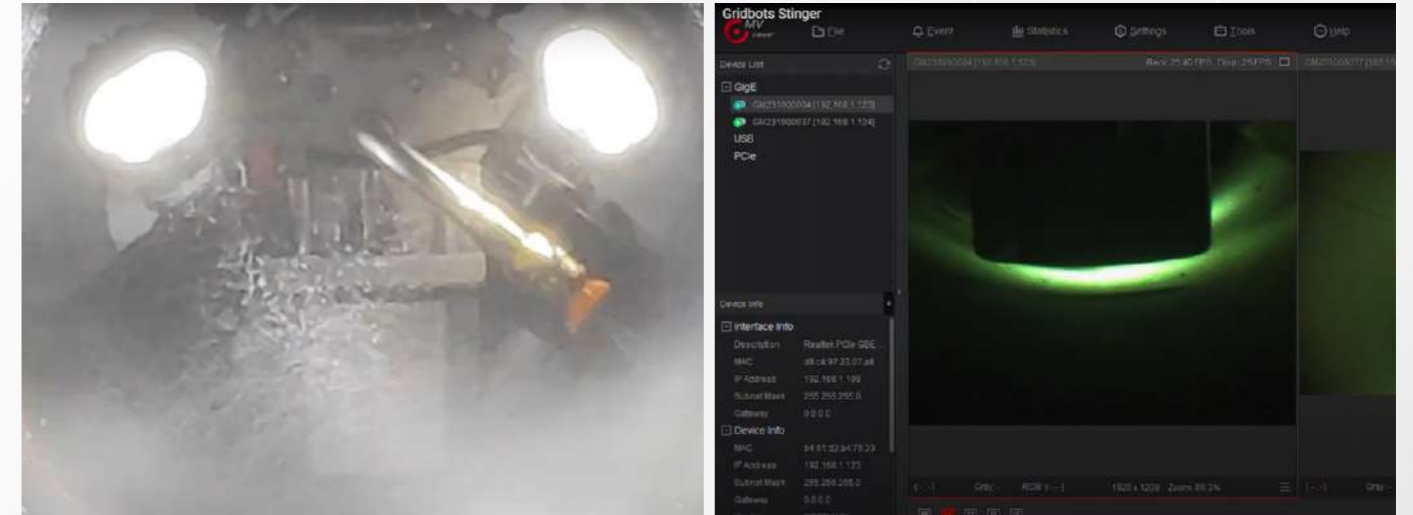
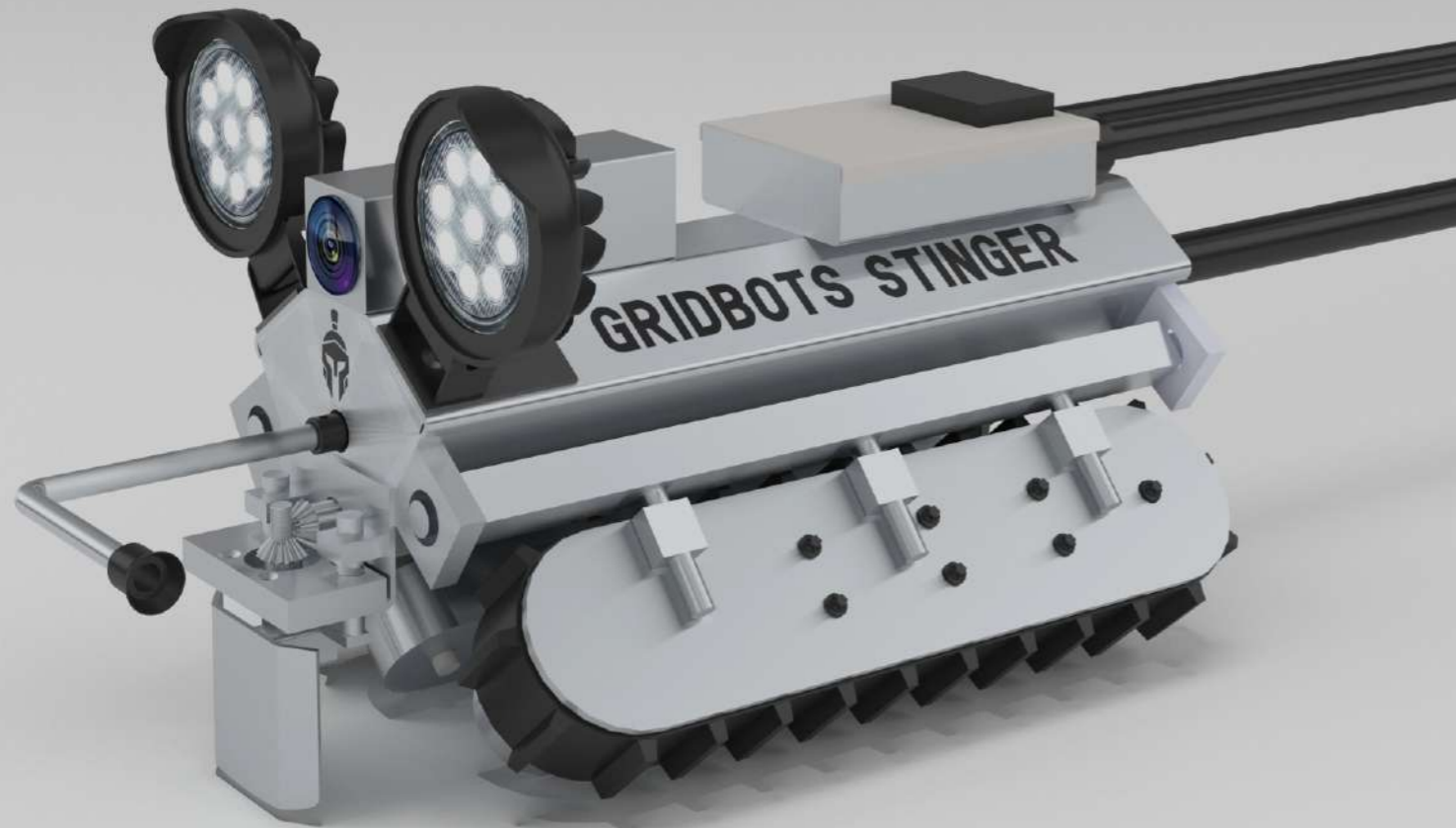
## PIPE OPERATION ROBOT

Stinger-WD is a pipeline operations robot which can be used to inspect and perform operations inside the pipelines. It operates in the pipes of sizes ranging from 50 mm to 5000 mm in diameter and can operate in variety of material of pipes.

The robot can work in extreme environments and it IP68 rated .It can carry various tooling inside the pipelines for welding, cutting, grinding, lapping and inspection operations.

It has twin Full HD camera units with LED illuminators which ensure that the operation can be monitored from various angles with utmost visibility.

The robot can work both in completely auto and manual modes with multitude of sensors and actuators on board.



### VARIANTS

Wheels  
**Powered Wheels**

Payload  
**Multiple Actuators**

Drive Type  
**Active Servo Motors**

Moving Speed  
**Maximum of 50 MM/Sec**

Encoder Motion Resolution  
**0.1 mm Increments**

Sensor  
**Sound/Gas/Light/CBRN**

Provide Cable Length  
**Upto 100 Meters**

Robot Weight  
**20 Kgs**

Power  
**Single Phase AC 1KW**

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

Remote Control  
**Tether Cable with Steel Rope**

Build Material  
**SS-316**

### SENSORS

Gas Sensors

Light Sensor

CBRN Sensor

Sound Sensor

### ENVIRONMENTAL

IP Rating  
**69**

Temperature  
**5°C to 65°C**

Humidity  
**95%, Non-Condensing**

**MOST POWERFUL ROBOT FOR INSPECTING DIFFICULT TO REACH SPACES**



**PNEUMATIC AIR GRINDER**



**HIGH RESOLUTION VISUAL INSPECTION**



**SAVE MONEY ON MANUAL OPERATIONS**



**100% SECURE**  
**100% SAFE**



**STINGER WD**



**CONTROL UNIT**



**100 METER CABLE**



## **GRIDBOTS TECHNOLOGIES PVT. LTD.**

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