

Duct bot

with pneumatic rotary brush system



Robosoft Systems has launched a new Robot with Rotary Brush System. This Robot uses state of the art technology to clean HVAC Ducts. This Robot is a multipurpose tool for Inspection and Cleaning of Horizontal Air Ducts (125-600mm / 5-24 inches).

SOME OF OUR CLIENTS :

- BLUE STAR
- EPSCO
- CIPLA

Awarded Innovation of the year in 2011



Innovators Under 35

The Robot can also be used separately as an Inspection Robot for pre and post inspections of Air Ducts & Industrial Pipelines. With the camera, it's possible to monitor the cleaning process and verify the result in real time and also record the video in digital format.

The pneumatic rotary system on the Robot rotates special brushes made to clean circular and rectangular ducts and with the innovative lift arm you can save valuable time on the job. It has integrated digital video recorder for live inspection of air ducts and is controlled by PS2 joystick making Duct Bot a powerful inspection and video documentation tool. Intensity of LED lights is adjustable by the PS2 remote also used to switch between front and rear cameras. The equipment comes in a light weight modular box for easy and safe transportation.

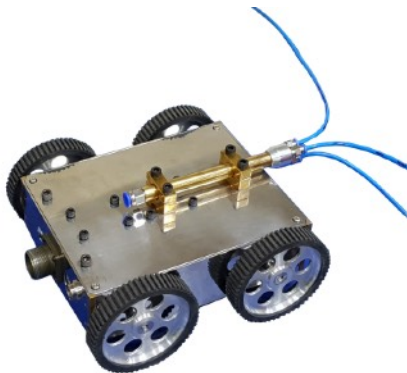
The Robot also comes with a Pneumatic Air Whip System which can be used to clean smaller ducts upto 12 inches as well as ducts where the brush system cannot be used



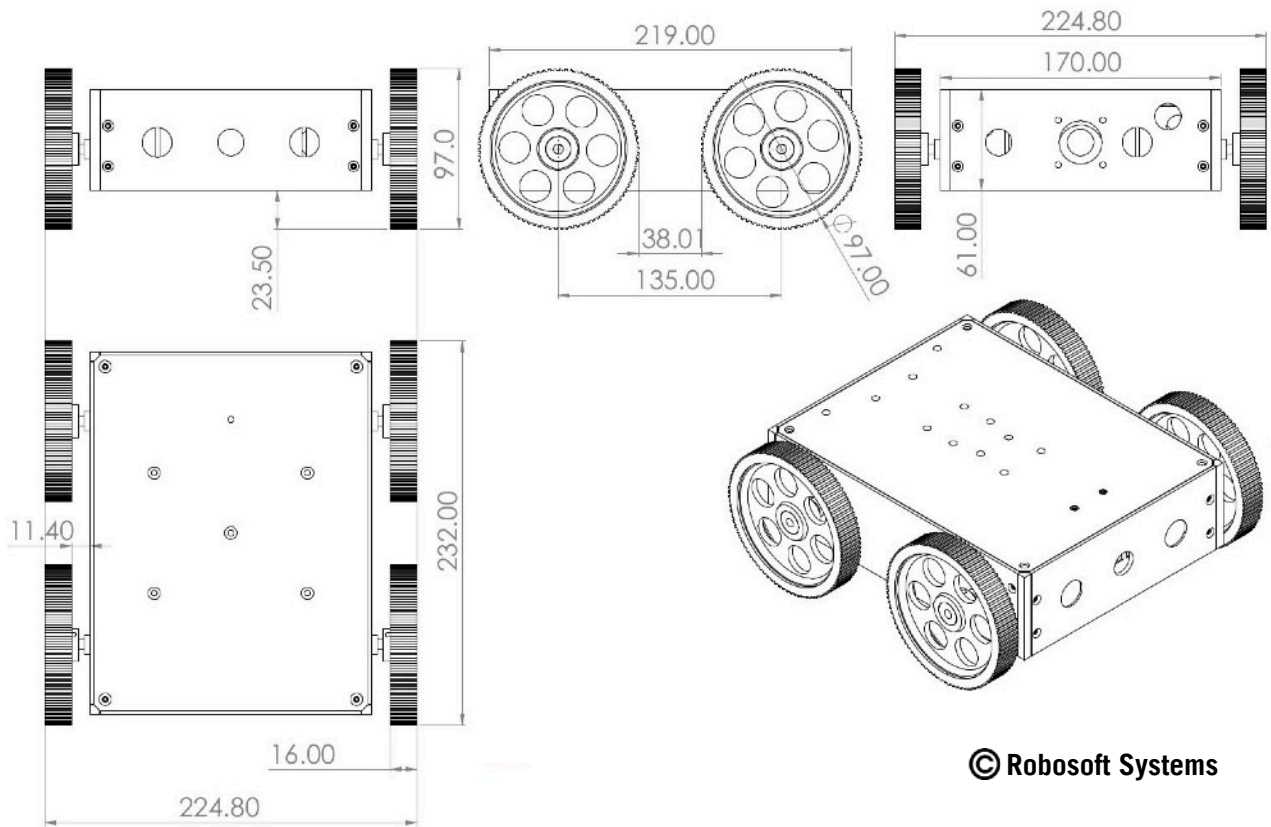
(Note : Air compressor needs to be purchased separately and is not part of this product)

Technical Specifications :

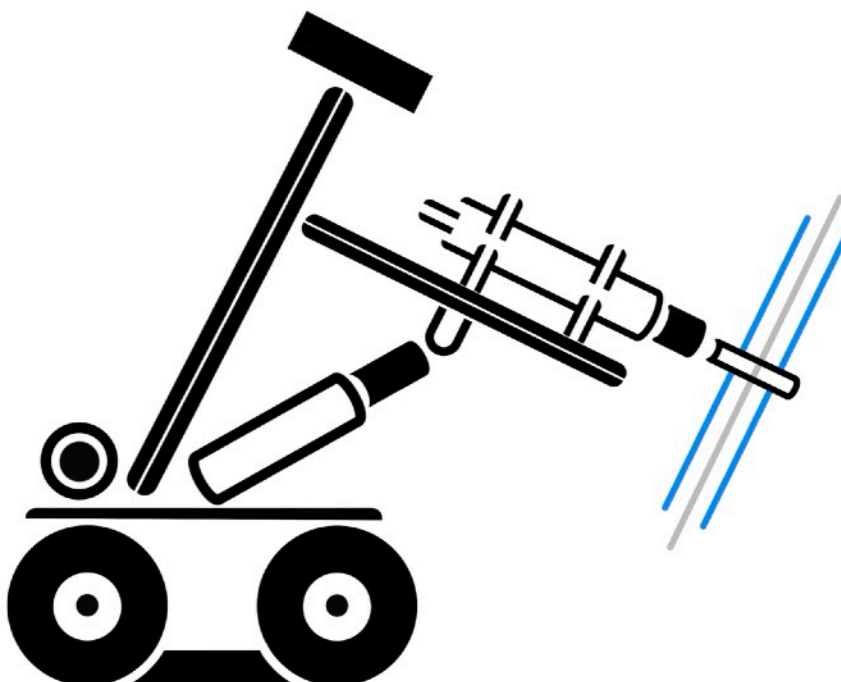
- Front, Rear & Top 1000TVL 1/3 CCD 110 Degree 2.8mm Lens Colour Camera
- Skid steer with 4x4 high torque DC motor drive system
- Linear Actuator based automatic lift arm with reach from 300mm to 600mm for cleaning various size ducts.
- Pneumatic rotary brush motor with 30 meter pipe and foot pedal valve to control the speed of the brush. Customised nylon brushes are provided with the Robot. **(Note : Air compressor needs to be purchased separately and is not part of this product)**
- Pneumatic 3 tentacle Air-whip Actuator
- Control : Wired Joystick that controls the Robot as well as the lift arm.
- System Lighting: Multiple luminous variable control LEDs (3 watts each) help the Robot function efficiently inside the duct.
- Video Recorder: 5 inch Portable Digital Video Recorder with 32GB SD card & live viewing capability
- Video Output : PAL
- Robot Size without cleaning accessories: 250 x 225 x 100 mm
- ABS/PP Carrying Case Size: 616 x 378 x 415 mm
- Total System Weight : 25 kgs
- Robot Weight: 10 kgs
- Operation Temperature : 10 degrees to 45 degrees centigrade
- AC input : 220V/50Hz. **(Customisable to 110V/60Hz VAC on request)**
- 30 meters cable.



Robot Dimensional Drawing :



All Dimensions are in mm





Robosoft Systems
A-61, 1st floor, Raj Industrial Complex,
Military Road, Marol, Andheri East,
Mumbai 400059
India



+91 9930776661 / +91 22 29207086
Mon-Sat : 9:00 am - 5:00 pm



support@robosoftsystems.co.in



www.robosoftsystems.co.in