

# Articulated Nimble Adaptable Trunk

## ANATROLLER™ ARI-10

The ANATROLLER™ ARI-10 is a small- sized light weight modular mobile robot that excels at video inspection and real-time recording using a high-resolution built-in camera with an adjustable luminosity lighting system that eliminates undesired reflections on duct surfaces.

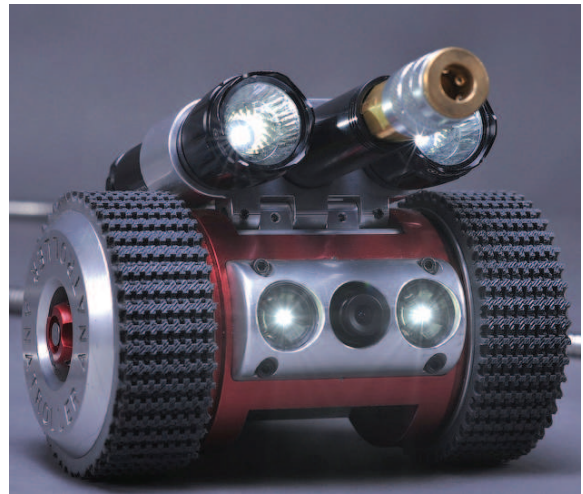
A second HD 360 degree rotatable camera can also be added with numeric 1080p resolution and SD recording, making the ANATROLLER™ ARI-10 the highest quality inspection robot available for HVAC contractors.

This robot drastically simplifies and reduces job time for HVAC cleaning contractors in brushing, sealing and spraying tasks when cleaning accessories are attached. Its advanced movement system allows it to not only clean horizontal ducts, but clean and inspect vertical ducts as well.

The ANATROLLER™ ARI-10 is very easy to control and can be deployed instantaneously from its portable carrying and control case. It is designed with two wheels making it easy to fit in the duct with a minimal entry space around obstacles and manoeuvre in tight spaces.

This product is protected by the US Patents 6,323,615 & 6,686,717 and other international patents pending.

ANAT and ANATROLLER are Trade Marks of Robotics Design Inc.



Its rugged mono-block anodized aluminum construct and heavy-duty stain-less steel washable cable ensures your work continues interruption-free for many years to come, and allows you to ensure maximum hygiene after a job's completion.

The ANATROLLER™ ARI-10 is available in three different packages to fully suit your individual needs, and its adjustable tool-holder supports brushes, whips, sprayers and many other accessories.

This robot weighs 5 kg fully equipped, and easily tows its 100 foot stainless steel cable.

The ANATROLLER™ ARI-10 is fully resistant to the industrial environment, and its performance is unaffected by oil, dust and water, whether these contaminants be air-borne or stagnant.

The robot control is highly user-friendly, allowing contractors with the ANATROLLER™ ARI-10 to clean with ease without any specialized training.

Robotics Design Inc. is able to customize the ANATROLLER™ ARI-10 in many ways to suit unique and challenging jobs, or to suit new applications.

The modular architecture of the **ANATROLLER™ ARI-10** enables users to add or remove components and accessories from the central body, allowing the robot's equipment to be reconfigured for inspection, cleaning, spraying and coating in HVAC systems.

The robot control system is highly user-friendly, with a single joystick controlling movement, and knobs to control robot speed and lighting.

This entire system is water and shock resistant.

The robot, control system, accessories and video screen are stored in a rugged carrying case for easy transportation and to prevent damage to the system.

## Advantages

- Compact modular design;
- Anti tilting robot;
- Light weight;
- Works in vertical and horizontal ducts
- Zero-radius turning;
- Climbs obstacles;
- Grad up to 45 deg;
- Resists vibrations and the industrial environment;
- Water resist (optional);
- Low maintenance;
- Simple control;
- Customizable tool holder;
- High quality precision machined;
- Custom ordered.

## Options

- Extra Camera for rear view
- Full HD 1080p 360° rotatable camera with remote video recording
- Extra lighting with intensity control
- Extra battery-powered lighting
- Dual power modes; battery or AC powered
- Touch screen monitor for viewing and video recording

ANATROLLER ARI-10		
ROBOT	Length	7.0 (in)
	Height	5.0 (in)
	Width	7.0 (in)
	Speed	0 to 3 ft/s
	Grad up to	90° descent
	Climb obstacle up to	.5 in
	Module 2	Removable
	Voltage	100/240 AC 50/60Hz
	Power consumption	Max 60W
	Temp operation	-30 to 60° c
	PWM Control	YES
	PID control	YES
Cable (standard)	30 m	
VISION SYSTEM	Camera 1	Stationnary
	Number of pixels	NTSC 512(H) x 492(V) PAL 512(H) x 582(V)
	Resolution	380 TV Lines
	Video Output	1.0Vpp, 75 ohm
	Lens	3.6 mm
	Audio (Optional)	More than 35 db
Camera 2 (Optional)	360° rotatable 1080p Full HD	
Lighting system	160x2 LUMEN output 100 m range 5000cd lux	
Air pressure	> 100 psi	
Casing (in) L x W x H	28 x 12 x 11	
Video Output RCA	YES	
Audio Output (optional)	NO	
Security Key	NO	
AIR input	PLUG IN	
TOTAL Weight with casing	10 Kg	
Robot weight	5 kg	

