



# AIRBOT One™

## THE ULTIMATE ROBOT

Airbot One™ is the ultimate robot specialized for ventilation duct cleaning needs. With its belt system propelled by 2 high performance motors, it is able to move quickly and efficiently in ducts without any worries. Its design allows it to access all types of ducts of 7" and more in order to **inspect, clean** and even **apply sealants**.

This versatile robot is the essential tool for cleaning ventilation systems in commercial, industrial and institutional environments. Compatible with several accessories that will allow you to face any situation.

### KEY FEATURES

- ✦ Made of durable and lightweight materials
- ✦ Compact design with carrying case and integrated control panel
- ✦ Intuitive functions and controls
- ✦ FusionFlex™ cable provides air and electric connections 100ft away
- ✦ Ready for powerful tools upgrades
- ✦ Quick connect connections
- ✦ High quality motors for better performance and reliability
- ✦ Full HD - 1080P front and rear cameras
- ✦ Powerful LED lights for better vision



**INSPECTION** 1080P Full HD



**CLEANING**



**COATING** *(optional)*



# AIRBOT One™ INCLUDES

From the robot to the carrying case, we are committed to ensuring quality and durability. Get ready to work with all these included accessories. Get even more with our optional accessories (Coating-Kit, Brush-Kit, etc...)



## HARD CARRYING CASE

Our Canadian Nanuk™ hard case is waterproof, shockproof and dustproof. It is completely legal to carry your hard case like a " Carry-on " on the plane. The size and security of the hard case are permissible at an airport for your outside contracts. Panel control is integrated as well as a dedicated storage space for the robot.



## FUSIONFLEX™ CABLE - 100 ft

The FusionFlex™ technology allows the robot to be used up to 100 feet away. This technology consists of a cable for the air supply as well as the connections of the various electric cables ensuring supply and control of the robot. With its quick connectors, this innovative cable reduces the number of cables and makes it easier to connect the robot.



## CONTROL PANEL + LAPTOP

The AirBot One comes with a complete and easy-to-use control panel integrated into the transport case. Controls direction, motor speed, lights, dual camera set, coating kit speed and more. It's ignition switch allows you to leave the workplace and make sure the robot is safely shut off. The control case is built to view and record HD videos on a laptop.



## MANUAL ARTICULATED ARM

Airbot One™ includes an articulated manual arm to control the angle and height for whipping jobs. Reaches heights up to 36 inches. This innovative arm integrates the air supply, thanks to the specially designed swivel fittings. Made entirely of red anodized aluminum for durability.



## WHIPS + TOOLS

This accessories bundle contains :

- ✓ 6 Superflex Nexa Whips 12" | Forward
- ✓ 3 Superflex whips 12" Nexa | Forward
- ✓ 1 Safety Ballvalve + 1/4 HB x 1/4 NPT Male Thread Fitting
- ✓ Replacement screw, T Handle Allen Key, Wrench, Keys



# AIRBOT One™

## Tech Specs Sheet

### ROBOT

Length	270mm (10.63")
Height	140mm (5.51")
Width	180mm (7.09")
Weight	5.65 Kg (12,46 lbs)
Speed	0.266m/s (16m/min)
Torque	12 NM (106.21lbs)
Operating temperature	-10 a 65° C
Mobile load	193 Kg (425 lbs)
Radial load	68 Kg (152.12 lbs)
Max incline	40°
Ducts compatibility	Round / Flat (> 7")

### MOTORS X2

Max output power	28.6 W
Nominal voltage	24 V
Nominal speed	8100 rpm
Operating temperature	-30 to 85° C
Nominal current	1.08A

*\*Equipment L.T.E Canada inc. is entitled to any change of specification for continuous improvement.*



### CASE & CONTROLS

Power supply	110/220V AC
	50/60 Hz
Case total weight	7.8 Kg (17.2lbs)
Length	570mm (22.5")
Height	355mm (14")
Width	240 mm (9.5")
Nominal power cons.	36W
Max. power cons.	72W
PSI (operation)	125-175 psi
PSI (max)	250 psi
Cable length	30.5m (100")

### VISION

Cameras	2 (front & rear)
	1920 x 1080
Resolution	2 MP
Frame rates	30 fps
Viewing angle	Wide 90°
Front lights	475 lumens
Rear lights	300 * 2 lumens
Laptop for recording	Included
Record & view software	Included
Comments on records	YES