



These Canadian-made robots are designed for difficult duct cleaning jobs.

Product Profile

Duct cleaning robots

The Articulated Nimble Adaptable Trunk (ANAT) robots from Robotics Design of Montreal clean and inspect HVAC ducts. The ANATROLLER ARI-100 and ARI-50 duct cleaning robots can operate in hazardous areas, confined spaces and just about anywhere that would be difficult to clean using conventional methods.

The ARI-100 is a heavy-duty modular robot that can be customized for many applications. It rolls on tracks or wheels and will continue to operate even if flipped upside down. It is composed of a main module, around which a second module containing the air jet, lighting and camera rotates through 180 degrees. This allows the robot to change its shape to get around or over obstacles. It can climb slopes of 45 degrees and over obstacles up to five inches high. An articulated arm moves in all directions. It weighs eight kilograms and can pull up to 45 kg. A simple control allows it to be used by even inexperienced workers.

The ARI-50 is designed specifically for cleaning six-inch and larger HVAC ducts. It is operated by simple joystick control and can be set up and ready to use in minutes. A smaller machine, it weighs five kilograms, can carry 20 kg and pull 30 kg. It can climb one-inch obstacles and 45-degree slopes. Video recording equipment is built-in.

Again, this unit can operate in severe industrial environments and can be customized to fulfill any duct cleaning or inspection.

Robotics Design Inc. •
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