

MicroInspector®

MI-180

FEATURES & BENEFITS

- One Hand Operation
- Simple Configuration
- Internal Battery
- 200 Feet Range
- Digital Video Recording
- Multiple Cameras

APPLICATIONS

- Robotic Inspections
- Work Documentation
- HVAC Ducts
 - Clean
 - Sanitize
 - Disinfect
 - Coat
 - Seal
 - Fiberglass lockdown
 - Kill microbial growth
- Building Forensics

Patents Pending

Pat. App. # 20080001005
Pat. App. #20080012310

Product Highlights

- Quick Return on Investment
- All in One Robotic System
- Modular Configuration
- Kits to Tackle Any Job
- Easy Pelican Case Transport

Introduction

The MI-180 is a compact robotic vehicle with an integrated digital video recorder. Personal computer software is included making the MI-180 a powerful inspection and documentation tool.

MI-180 is designed to carry various payloads, such as pneumatic duct cleaning and airless paint sprayer attachments providing additional value and versatility. It is no longer necessary for employees to crawl ductwork and cut access holes every eight feet; tasks that often lead to injuries and worker compensation claims.

This cost-effective combination of features, flexibility, and ease of use offers an excellent opportunity for professional duct cleaners and HVAC contractors to generate substantially higher profits with a rapid return on investment. **WORK SMARTER, NOT HARDER!**



Technical Description

MI-180 is designed to clean, sanitize, disinfect, coat and seal all types of HVAC ducts from 8 x 6 inches to 24 x 24 inches in a single pass. The micro-processor operated system is stall protected out to 200 feet. New camera and lighting technologies provide an abundance of light for high quality recordable digital video. All cleaning and spray kits have quick-disconnect hardware allowing fast setup and teardown times. Packed in its furnished pelican case (16 x 13 x 7 in), the MI-180 system weighs a mere 22 lbs.

These advanced features allow contractors to quickly identify HVAC contamination, cases of sick building syndrome and significantly improve a building's energy efficiency.



General Specifications	
Total System Weight	22 Lbs (10 Kg) – in Pelican Case
Robot Size	7 x 7 x 3" (18 x 18 x 8 cm)
Robot Weight	3.5 Lbs (1.5 Kg)
Remote Size	3 x 10 x 2" (8 x 25 x 5 cm)
Remote Weight	1.5 Lbs (0.8 Kg)
Camera	¼ IN. (0.6cm) color 380 line CCD
CCD Light Rating	0.5 Lux LLR
LCD Display	480 x 234 Pixels
Video Output	1 x 0.75 VP-P ~ 1VP-P, RCA, Composite NTSC
Video Storage	1 GB SD card
System Lighting	2 Dimmable LEDs per camera
Max. Light Intensity	130 Lumens per camera
LED Life Span	50,000 hrs
Max. Tether	200 Ft (60m)
System Power	Internal Li-ion Battery
Est. Battery Life	90 minutes (maximum light & continuous driving)
Battery Charger	220/50 OR 120/60 VAC
Storage Temperature	-30 to 60 °C
Operation Temperature	-10 to 45 °C
Maximum Relative Hum.	90%

Duct Cleaning Kit	
Duct Board/Lined Duct	Dual Air Driven Whips (MI-180 DW)
Galvanized Ducts	Air Driven Rotating Brush (MI-180 RB)

Spray Application Kit	
Square/Rectangular	Fixed Nozzle - Airless Sprayer (MI-180 FS)
Even Application	Rotating Nozzle - Airless Sprayer (MI-180 RS)

*Please contact Lloyds Systems LLC for the latest product information.



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