

multibot

THE FUTURE OF AIR DUCT CLEANING IS NOW

One robot for multiple tasks

This multitask robot will allow you to carry out multiple applications, coupling different modules for cleaning, disinfection and coating inside the air ducts. It incorporates the latest technologies such as FullHD cameras, automatic module elevation system, HMI touch screen control panel, and HD recording system



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Modular design

Multibot makes use of robotised platforms where different modules can be connected, making it suitable for any air duct cleaning task, as well as modules with different cleaning, disinfection and coating settings.

It reaches the top

Thanks to the automated elevation system offered by the robotised **Max** platform, it is possible to clean large air ducts of up to 1000mm. The height regulation adapts itself from the control unit as the robot moves.

Versatile

The Multibot's powerful traction crawler allows you to move over any surface and climb slopes of 30° inclination. The robot and the application modules are designed to clean any size of circular or square duct and for any size.

Robust and reliable

Built with the most resistant materials, such as stainless steel in the structure and and the dense polyamide in the casing. The heart of Multibot are its powerful engines of last generation, which assures us a long duration and reliability.

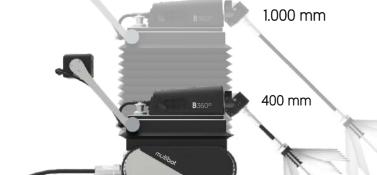


Nicely-sharp images

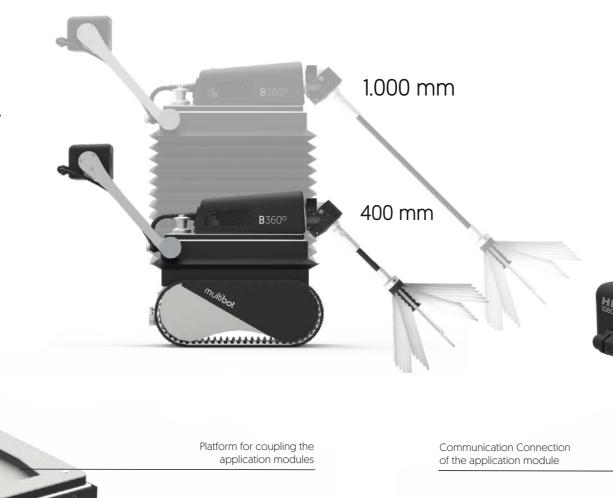
The last technology in visualization and recording of the images collected by Multibot in Full HD 1080P. It has a high resolution monitor for recording and storage of videos and photographs, with a touch screen resistant to dust and water.







Arm for height and angle adjustment of the display module



Traction system by caterpillar wheels

Front-lighting spotlights

TECHNICAL CHARACTERISTICS

Dimensions and weight [excluding modules]	L x W x H : 320 x 200 x 250 mm / 11 kg L x W x H : 12.6 x 7.8 x 9.8 inch / 24.2
Structural material	Stainless steel and polyamide (PA12)
Cameras (front and back)	Full Colour HD 1080P
Lighting	High intensity LED 4000 K 360°

360° adaptive brushing application module

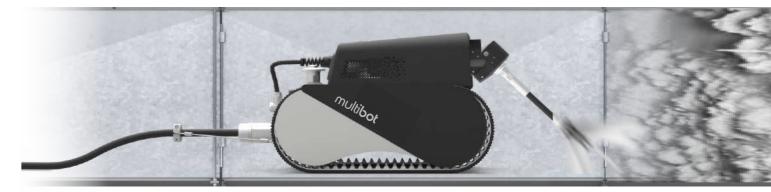
Rear view camera

Communication Connection with the control unit

Compact design

With the robotised **MICRO** platform, it is possible to clean, disinfect and coat the smallest air ducts between 250 mm and 500 mm, small outside and large inside. It integrates all the same advanced technology as it's big brother, the MAX robot, in order to carry out any task using the Multibot system's available modules.

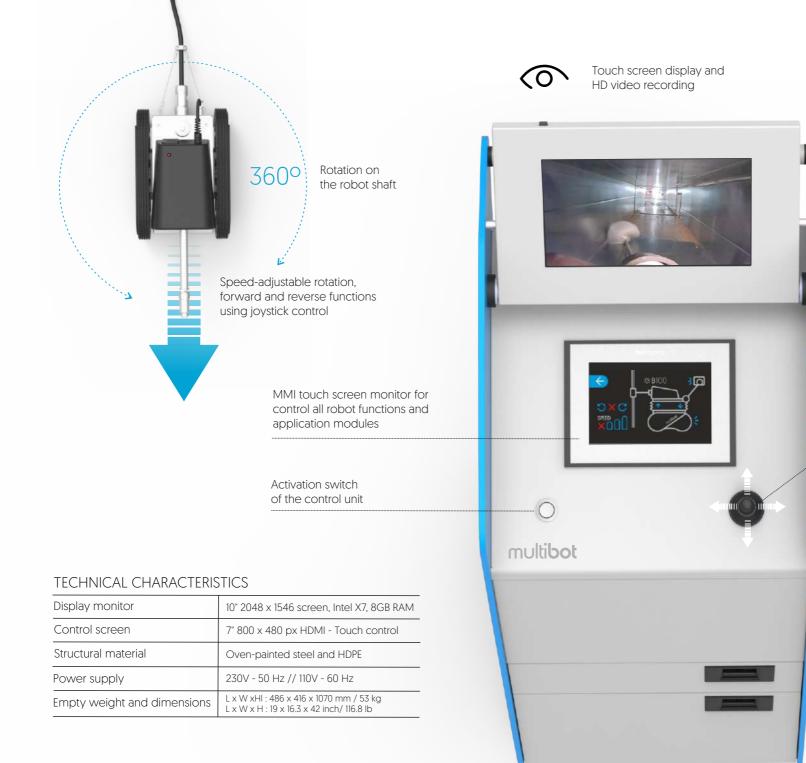




TECHNICAL CHARACTERISTICS

Dimensions and weight without module	L x W x H: 283 x 198 x 112 mm / 5,5 kg L x W x H : 11 x 7.8 x 4.4 inch / 12.1 lb
Structural material	Stainless steel and polyamide (PA12)
Cameras (front and back)	Color Full HD 1080P
Lighting (front and back)	High intensity LED 4000 K 360°





Removable box for storage the application modules

Removable box to store the robotised platform

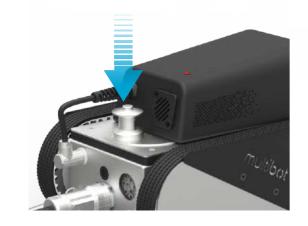
Joystick for control the direction and speed of the tractor unit





Quick Connect

Easy and fast connection between the robot's modules without the need for tools, fast connection between cable and plug.



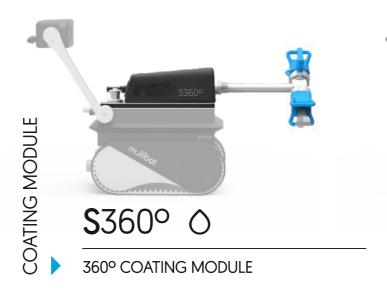
The Multibot's modular concept is made up of different modules which carry out different tasks inside air ducts, and all are compatible with the MAX and MICRO robotised platforms, with fast and easy connection.



Hose protector

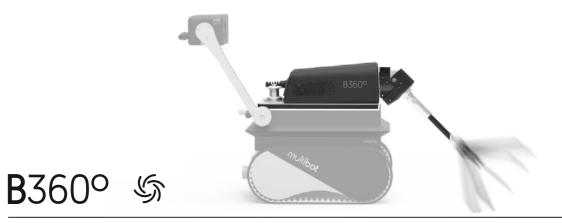
Protect the robot hose when accesing the duct (Accessory included).











360° ADAPTATIVE BRUSH MODULE

App. rotary brush with perimetral movement duct cleaning application module. It moves through the duct adapting to its shape and size. It is very effective for square ducts for deep cleaning of the corners

TECHNICAL CHARACTERISTICS

DIMENSIONS AND WEIGHT (L x W x H): $280 \times 140 \times 75 \text{ mm} - 3 \text{ kg}$ // $11 \times 5.5 \times 2.95 \text{ inch} - 6.6 \text{ lb}$ BRUSHING MACHINE: 75 W output, 555 rpm speed
The PERIMETRAL MOVEMENT features a two-way rotation and 3 speeds (4, 8 and 12 rpm).

USE IN AIR DUCTS:

Shape: Rectangular, square and circular / Material: Metal / Dimensions: from 400 to 1000 mm

INCLUDED ACCESSORIES

BRUSH EXTENSION RODS

For adjustable perimetral brush made of coated fibreglass and a nylon brush [0.5 mm] Fast connection to module B360°



LONG EXTENSION - 800 mm for air ducts between 700 mm and 1000 mm

SHORT EXTENSION - 500 mm for air ducts between 400 mm and 700 mm

B360° Code AC3120609.





B100 场

ROTATING BRUSH CLEANING MODULE

App. rotary brush duct cleaning application module. Total control of the speed and direction and rotation direction of the brush. The best option for the cleaning of circular ducts.

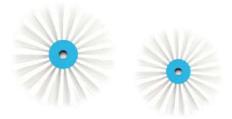
TECHNICAL CHARACTERISTICS

DIMENSIONS AND WEIGHT (L x W x H): $270 \times 140 \times 75 \text{ mm} - 2 \text{ kg}$ // $10.6 \times 5.5 \times 2.95 \text{ inch} - 4.4 \text{ lb}$ BRUSHING MACHINE: 85 W output, 400 rpm speed

USE IN AIR DUCTS:

Shape: Circular / Material: Metal / Dimensions: from 400 to 1.000 mm

OPTIONAL ACCESSORIES



PACK 5 BRUSHES

Nylon brushes for circular duct Measurements: Ø350, 400, 500, 600 y 700 mm. COD. CP2201016

B100 Code AC3120608.





AIR INJECTION MODULE

App. Silicon whips air injection duct cleaning application module. The whips spin all over sweeping the dust forward. This cleaning system is ideal for air ducts with coating made of fibre and other soft materials.

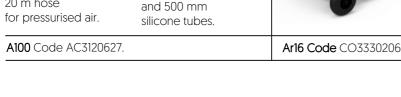
TECHNICAL CHARACTERISTICS

DIMENSIONS AND WEIGHT (L x W x H): $270 \times 140 \times 75 \text{ mm} - 3 \text{ kg}$ // $10.6 \times 5.5 \times 2.95 \text{ inch} - 6.6 \text{ lb}$ COMPRESSED AIR REQUIREMENTS: Minimum air flow 220 I/min at 6/8 bar The ROTATIVE MOVEMENT features a two-way rotation and 3 speeds [4, 8 and 12 rpm].

USE IN AIR DUCTS:

Shape: Rectangular, square and circular / Material: Metal and fibre / Measures: from 250 to 1.000 mm

ACCESSORIES INCLUDED AIR COMPRESSOR AR16 Air compressor. Maximum working pressure: 10 bar - 145 psi Air inlet: 400 l/min - 7.06 cfm 300 mm, 400 mm and 500 mm silicone tubes.







360° DISINFECTION MODULE

App. for disinfecting air duct interiors using an injection pump and perimetral nebulisation nozzle at 360°. This system applies disinfectants evenly and quickly.

TECHNICAL CHARACTERISTICS

DIMENSIONS AND WEIGHT (L x W x H): $270 \times 140 \times 75$ mm - 3 kg // $10.6 \times 5.5 \times 2.95$ inch - 6.6 lb BOX DIMENSIONS AND WEIGHT: (L x W x H): $600 \times 400 \times 270$ mm - 12 kg // $23.6 \times 15.7 \times 10.6$ inch - 26.5 lb INJECTION PUMP: Flow 5.4 l/min Pressure 7 bar

INJECTION NOZZLE: Opening angle 160°. Droplet size 20 microns.

USE IN AIR DUCTS:

ACCESSORIES INCLUDED	CONSUMABLES
INJECTION SYSTEM BOX Integrates the pump for nebulising chemical products. Compartment for module transportation. 20 m hose.	DISINFECTING PRODUCT AK-GERMA 100 Concentrated liquid (anti-viral, anti-bacterial and anti-fungal) for disinfecting surfaces through nebulisation.
D360° Code AC3120628.	Code PQ8400113.





\$360° \(\rightarrow\$

360° COATING MODULE

App. Module application for coating the interior of ducts with a double injection nozzle and a 360° perimeter movement. This system applies the sealer homogeneously and quickly.

TECHNICAL CHARACTERISTICS

DIMENSIONS AND WEIGHT [L x W x H]: $270 \times 140 \times 75 \text{ mm} - 3 \text{ kg}$ // $10.6 \times 5.5 \times 2.95 \text{ inch} - 6.6 \text{ lb}$ HIGH PRESSURE PUMP REQUIREMENTS: Minimum flow 15 I/min at 220 bar The ROTATIVE MOVEMENT features a two-way rotation and 3 speeds [4, 8 and 12 rpm].

USE IN AIR DUCTS:

Shape: Rectangular, square and circular / Material: Metal and fibre / Measures: from 250 to 1.000 mm

INCLUDED ACCESSORIES	OPTIONAL ACCESSORI	ES
		AIRLESS PUMP High pressure pumping system of 220 bar and flow of 15 I/min ELASBIO. chemical sealant.
20 m hose for pressurised air.		19 litre cylinder Code PQ8400110.
\$360° Code AC3120626	Code AC3120605	





TEINOVA



