



Roof Wand™

Effective roof cleaning from the safety of the ground.

Available as

Basic, Standard & Complete

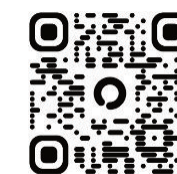


Roof Wand™

"A system that is environmentally friendly and can be used in all types of weather. Patented technology that dispels any doubts that using just water is the most safe and effective way to clean a roof."

Steve Dunmore

Inventor



Scan the QR above to watch a video of the Roof Wand™ in action!

Revolution, Practicality & Simplicity

Until now, roof cleaning has always been a job that presents many challenges. Costly forms of safe access through the use of hired scaffolding or powered access are a significant barrier to a sustainable and profitable business model. Once access has been gained, multiple cleaning techniques - requiring additional equipment - are required to produce instant and lasting results.

Roof Wand™ offers an all-in-one, safe alternative to pre-existing methods of roof cleaning. Delivering quality service from the safety of the ground is now possible with this revolutionary new equipment. With Roof Wand™, it is now possible to offer customers a complete house cleaning package, without the need for costly access methods.

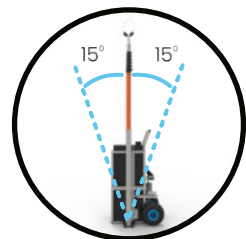


Mast Trolley

We have developed the Mast Trolley to provide a sturdy yet highly manoeuvrable support base for roof cleaning. Mast height reaches **6 metres**, with an additional **70cm** of adjustable reach. The stainless steel frame provides a solid and lasting structure for the **70L** water tank, which when fitted with the optional **100psi** pump can be filled with pure water and used to effectively clean windows after the roof cleaning process. Alternatively, the Pro version does not come equipped with the water pump, for those opting to use the water tank purely as ballast support.

The mast itself is made of lightweight & ultra durable Carbon Fibre.

X and Y axis actuators allows for instantaneous horizontal and vertical movement up to **30°**, controlled via remote control. Radio control of this movement enables the operator to work continuously without the need to move the Mast Trolley. More time cleaning equals more income!



Horizontal movement

30° of movement through use of a remote control, the mast can easily move to follow the wand across any roof.



Vertical movement

700mm of movement through use of a remote control. Allows for additional fine adjustment of mast head position, after manually setting telescopic pole height.

Mast Trolley Pump Specifications

Pressure	6.9 bar (100 psi)
Flow	Variable Flow 1.5-4LPM
Battery	12V, 22Ah (lead acid)
Wheels	Pneumatic
Actuators	12V
Dimensions	615D x 530W x 1100H
Weight	37kg (Dry), 107kg (Wet)

Wand

Constructed from High-Modulus carbon fibre, the wand pole offers superior strength and rigidity, while also ensuring lightweight handling properties for the utmost convenience. The pole can also be used independently on lower areas. This is made possible due to its lightweight and unique ability to hover, providing a seamless cleaning experience regardless of the height of the surface being cleaned.

When the pressure washer is set to the recommended **200 BAR @ 21 LPM**, the Roof Wand will hover over any surface. This not only significantly reduces physical load, but also creates an ideal cleaning distance from surfaces.

The wand consists of **10 poles** - **2 adjustable telescopic Glass Fibre poles**, with protective non-conducting insulation. **8 quick release Carbon Fibre pole sections (2m each)**. Total possible length of **20m**.

Turbo Nozzles can be set to utilise **2 or 3 jets** depending on preference. Included with Pole Assembly. Fan Jet attachments for window cleaning also included.



Pressure Washer

The Roof Wand system is only compatible with a pressure washer capable of producing **2900psi (200bar) at 21LPM**. This pressure is then spread across the **2/3 turbo nozzles** to create a powerful enough force to remove moss, but wide enough to provide an efficient clean. This method reduces the pressure hitting the surface of the roof tiles, effectively nullifying any potential damage caused by using pressure. We refer to this method as **'volume washing'**, rather than pressure washing.



Pressure Washer Specifications

Pressure	200 bar (2900 psi)
Flow	21 LPM
Engine	Honda GX390 (with oil alert)
Starter	Electric & recoil
Fuel Capacity	6.1 Litres
Dimensions	800L x 640W x 840H
Weight	66.5kg

Key-Start

£2,150

Pull-Start

£1,650



What's included?

Standard equipment included in each edition.

Stabiliser Bars

6 stainless steel stabiliser bars are supplied to provide stability for any situation. These sections easily be slotted into the framework of the mast trolley.



Hoses & Carbon Fibre Poles

High-modulus carbon fibre pole sections are necessary in order to withstand the length and weight of the cleaning wand. 8 x carbon fibre poles & 2 x glass fibre telescopic poles. Storage bag included.



Telescopic handle & Trigger

The telescopic handle section provides up to an extra 4m of reach. Designed for quick switching of the wand length when cleaning up and down the roof sections. The trigger comes with a variable pressure control valve, for micro-adjusting the flow to suit your preference of hover distance.



70L Water tank

The standard water tank on all models serves as ballast for mast stability and, in the Ionic system, stores and delivers pure water for a thorough external clean post-roof cleaning, specifically in the Pro+ model.



Cleaning Heads

3 x Turbo Nozzles
(with shock absorber covers)



3 x Fan Jets
(for post-clean up and biocide application)



1 x Solar Cleaning Brush Head



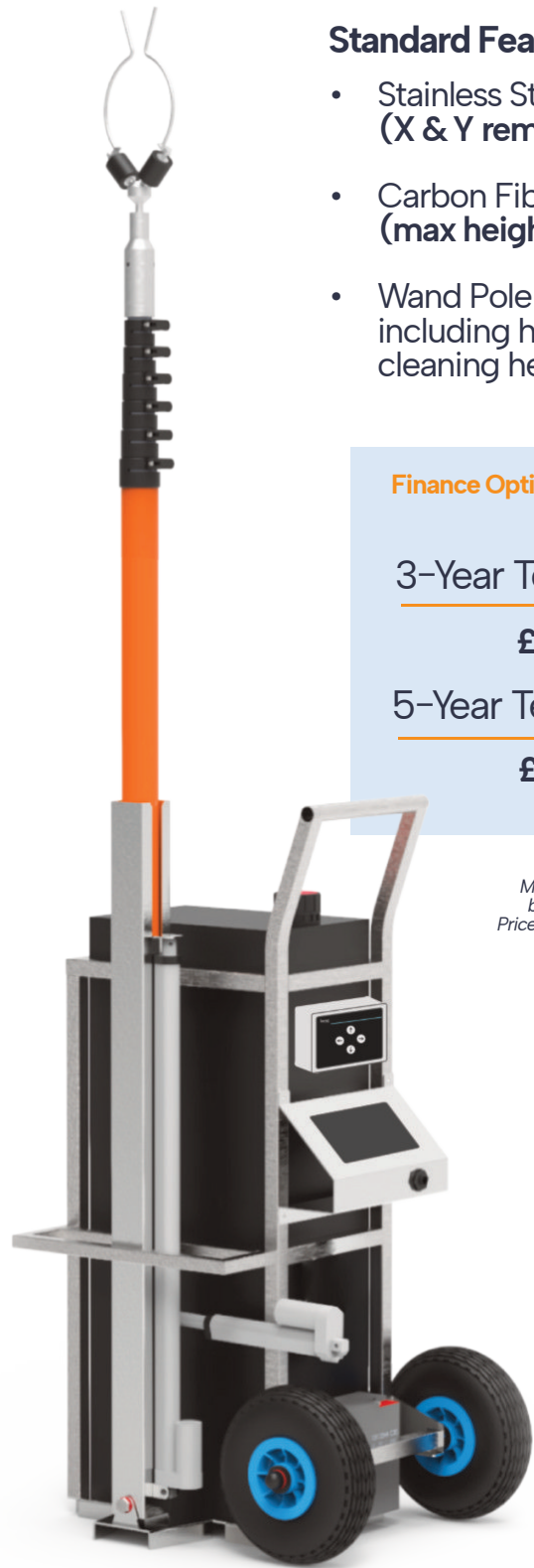
Watch videos!

Click the thumbnails below to watch on YouTube.



Basic

£8,000



Standard Features

- Stainless Steel Mast Trolley (X & Y remote actuators)
- Carbon Fibre mast pole (max height 6m)
- Wand Pole Kit (20m), including hoses, trigger & cleaning heads

Finance Options:

3-Year Term

£290 Per Month

5-Year Term

£195 Per Month

Monthly repayment figures are based on approximate values. Prices shown are exclusive of VAT.

Standard

£8,500



Standard Features

- Stainless Steel Mast Trolley (X & Y remote actuators)
- Carbon Fibre mast pole (max height 6m)
- Wand Pole Kit (20m), including hoses, trigger & cleaning heads
- 100psi water pump + digital controller

Finance Options:

3-Year Term

£310 Per Month

5-Year Term

£205 Per Month

Monthly repayment figures are based on approximate values. Prices shown are exclusive of VAT.

Complete

£10,650



Standard Features

- Stainless Steel Mast Trolley (X & Y remote actuators)
- Carbon Fibre mast pole (max height 6m)
- Wand Pole Kit (20m), including hoses, trigger & cleaning heads
- 100psi water pump + digital controller
- Key-Start Pressure Washer

Finance Options:

3-Year Term

£385 Per Month

5-Year Term

£255 Per Month

Monthly repayment figures are based on approximate values. Prices shown are exclusive of VAT.



Solar Cleaning

Cleaning solar panels is crucial for several reasons. Firstly, it helps maintain their efficiency. Dust, dirt, bird droppings, and other debris can accumulate on the surface of the panels, blocking sunlight and reducing their energy output. Regular cleaning ensures that the maximum amount of sunlight reaches the solar cells, thereby optimising their performance. Secondly, cleaning can prolong the lifespan of the panels. Accumulated debris can cause hot spots that may damage the cells and reduce the overall lifespan of the panels.

The Roof Wand by Ionic Systems is considered one of the safest and most effective ways to clean solar panels. This is due to several reasons:

Safety: The Roof Wand allows for cleaning from the ground, eliminating the need for ladders or climbing on roofs, reducing the risk of falls and injuries.

Efficiency: The Roof Wand uses a water-fed pole system, which can reach and clean panels on even the most difficult-to-reach roofs. It also uses pure water, which leaves no residue, ensuring a thorough and streak-free clean.

Gentleness: The soft brush bristles of the Roof Wand are gentle on the solar panels, preventing scratches or damage to the surface.