



# Van der Waay



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**Roof sprayers**

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**Spray carts**

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**Greenhouse roof repair**

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*Your roof, our care!*



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# About van der Waay

Since our inception in 1989, we have strived to be at the top with products and services that stand out. We do everything in our power to maintain and strengthen that position as the most prominent manufacturer and supplier of greenhouse roof washers, chalk machines and greenhouse roof repair facilities. Offering pure quality products; that is where our strength lies and that is also where our growth will come from in the coming years.

Our team shares the same passion, namely: creating smart and affordable solutions for clean and safe greenhouses, worldwide. With our solutions we want to enable growers, suppliers and greenhouse builders to achieve the most optimal results. In addition to delivering perfect machines worldwide, we have been committed to a sublime after-sales service for many years - even after delivery.

## Roof washers

# Top Cleaner

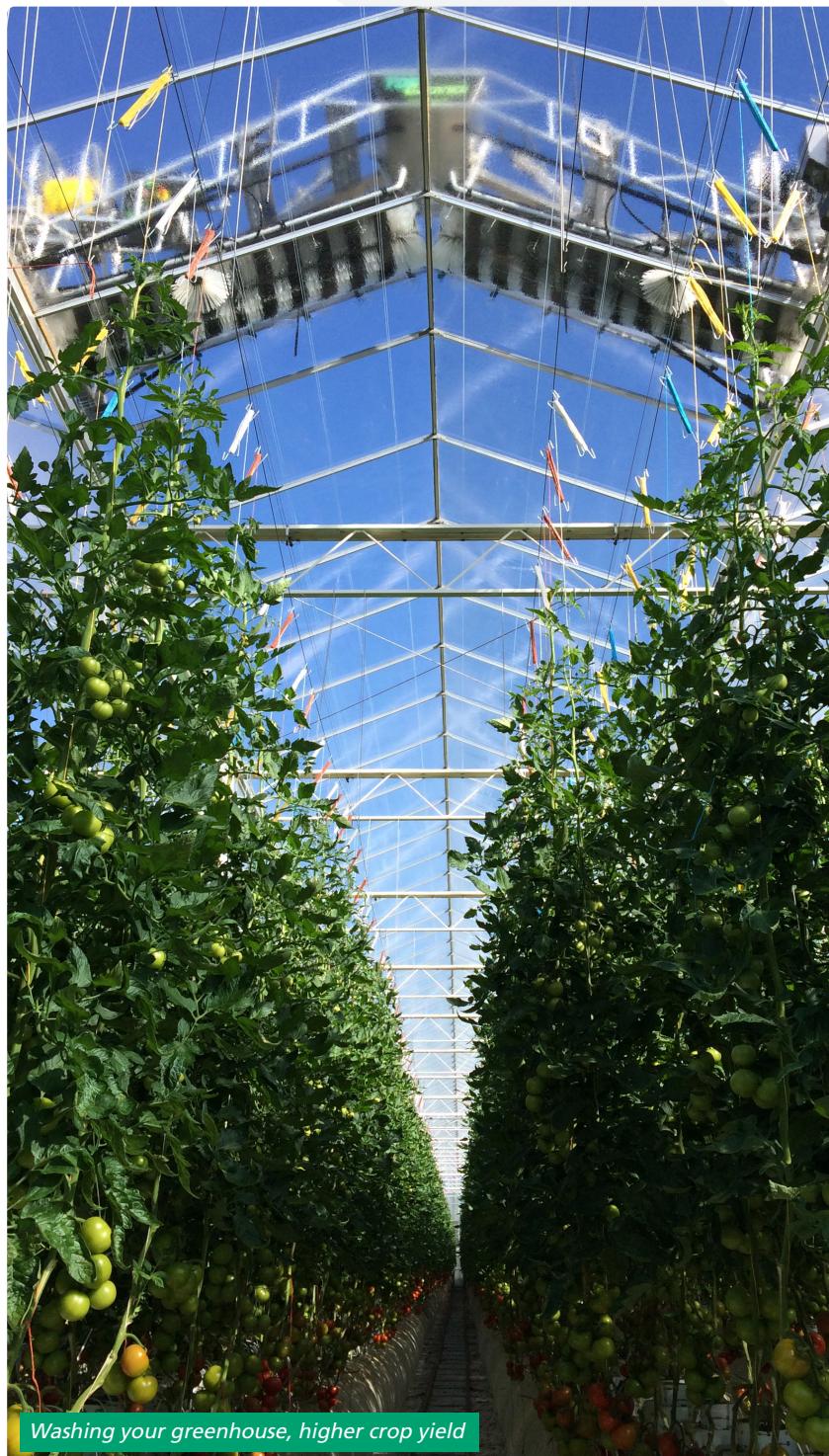
*Maximum light,  
maximum growth  
and quality*

### Top Cleaner, the roof washer for Venlo greenhouses

If you are considering a greenhouse roof cleaner, then you obviously want to make the right choice. After all, it is an investment you should be able to rely on for at least 10 years.

With over 30 years of experience in designing, using as a contractor ourselves, and manufacturing greenhouse roof washers and chalk machines, we know and understand exactly what is/isn't desirable, or what is/isn't possible.

Together with you, we will be happy to determine the right configuration of the Top Cleaner to enable you to work safely and pleasantly, and of course with the shortest possible ROI.





*Top Cleaner, installed at SCEA Magpie, Salon de Provence, France*



*Superb welding work, we care about every detail*



*Top Cleaner, installed at FRI-EL, Italy*



*Top Cleaner provided with a set of spray booms for the application of coatings*

## Standard features

### **Top Cleaner roof washer**

- UV proof brushes
- Height adjustment for brushes
- Waterproof LED lights
- Steps
- Anchor points to NEN-EN795
- Preparation for dosing pump

### **Top Cleaner platform**

- Waterproof fluorescent work lights
- Anchor points in accordance with NEN-EN795
- 4 Lifting points in accordance with NEN-EN-ISO 3266
- Hand Rail/fence according to NEN-EN-ISO 14122
- Cage ladder in accordance with EN 14122-4 and NEN 2484
- Water pump
- Power cable
- Water supply hose

## Options

### **Top Cleaner roof washer**

- Guides for hose and cable
- Gutter brushes
- Open window detection
- Dosing pump with spray boom for cleaning agents
- Brush shielding
- Set of spray booms for the application of temporary coatings

### **Top Cleaner Platform**

- Electric folding undercarriage
- Hose and cable reel
- Remote control from your cell phone





# Top Cleaner roof washer, Special Editions

In addition to the standard Top Cleaner model, van der Waay also builds special versions, fully tailored to the situation.



*In the desert of Oman, this XXL Top Cleaner has a working width of 10 meters and cleans the F-Clean film with nozzles instead of brushes.*



*A Top Cleaner at Bayers facility in Arizona, special designed for riding below the roof top screen. Also the platform is a tailor made solution.*

# Roof washers

# Top Cleaner V

*Maximum light,  
maximum flexibility*

This roof washer for the Venlo type of greenhouse is the latest development within the Top Cleaner family. Because this deck cleaner runs through one greenhouse gutter it is possible to apply it to greenhouses with different roof sizes.

## Standard features

### *Top Cleaner V roof washer*

- UV proof brushes
- Height adjustment for brushes
- Hose and cable guide on reels
- Gutter brush

### *Top Cleaner V platform*

- Waterproof fluorescent work lights
- Anchor eyes in accordance with NEN-EN795
- 4 Lifting eyes in accordance with NEN-EN-ISO 3266
- Handrail/fence according to NEN-EN-ISO 14122
- Cage ladder in accordance with EN 14122-4 and NEN 2484
- Water pump
- Power cable
- Water supply hose





# Roof washers Top Cleaner Poly

*Maximum light output  
in plastic multispan greenhouses*

Regular cleaning of the greenhouse cover film can bring tens of percent more light into the greenhouse at those times when the crop needs it. More light leads to higher production, so the investment is quickly recouped, even when the plastic foil is replaced every three or five years.

This deck washer drives through one greenhouse gutter, with on the left and right a long arm fitted with hydraulically driven brush discs. At the end of both arms a soft support roller is mounted which rests on the ridge pipe and keeps the deck cleaner in balance. The arms

are dismountable and available in different lengths. This makes it possible to use one machine on greenhouses with different roof widths. For example, on a 12.80 and 9.60 meter bay.

The Top Cleaner Poly drags a water hose behind it. This water hose is connected to a hose reel with a high pressure water pump, which is on the ground. The high-pressure pump has a large flow rate so that a generous amount of water flows onto the foil during washing.



*The Top Cleaner Poly is placed on the greenhouse using a telescopic handler at DesertJoy, Tunisia*

#### Standard features

- 230V – 3Kw Honda generator
- Transport and storage frame

#### Options

- Pump sets with hose reel
- Spray booms
- Radio remote control

# Roof washers

# AquaJet

The growing season is over, the crop is cleared, and the greenhouse is made ready for the new plants.

Time for a thorough cleaning of the glass and cultivation gutters. Not the nicest of jobs, cleaning the greenhouse is very labor intensive and time consuming.

Van der Waay has the AquaJet in its product range especially for this purpose.

A robust plug & play pipe rail trolley with a hose reel, a height-adjustable mast with two powerful nozzles on it, and a high volume high pressure pump that is driven by a petrol engine.

Working method in brief:

The AquaJet is driven onto the pipe rail and the water hose is connected to the water supply.

The 4-stroke petrol engine is started, and the moving nozzles on top of the mast are brought to the right height.

You now have the choice to first spray a cleaning agent against the glass, or to rinse the glass directly with a powerful water jet. The facades are cleaned with the supplied spray gun.

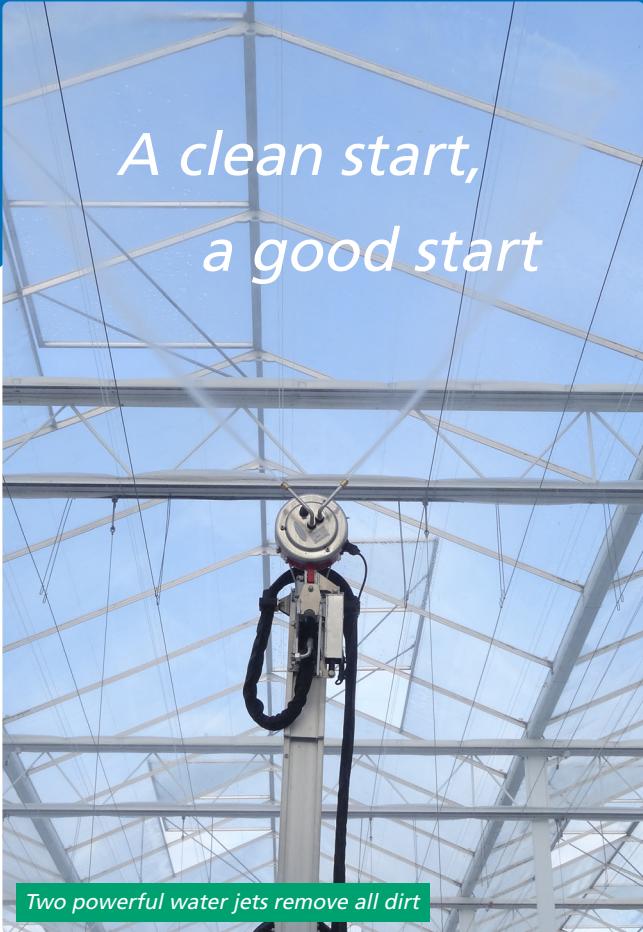
After the greenhouse roof and walls have been cleaned to a high standard, the cultivation gutters can be sprayed clean.



*AquaJet with steerable wheels, the solution for propagation nurseries*



*Injector and flowmeter for detergents*



*A clean start,  
a good start*

*Two powerful water jets remove all dirt*



### Standard features

- An adjustable track width of 425 to 600mm
- A spraying mast, suitable for greenhouses with a leg height of up to 6.50 metres
- 150 meter supply hose on reel
- Pressure booster pump
- Spare parts kit
- Maintenance kit

### Options

- Extended spray mast
- Dosage unit for detergents
- Growing gutter cleaner
- Detergent nozzle set for the growing gutter cleaner
- LED work light
- Different track width
- Hydraulically foldable mast for greenhouses with a lowered crop wire
- Chassis with steerable wheels suitable for driving on concrete floors

# Roof sprayers



*A Top Cleaner with a set of spray booms*

Light is important for optimal growth, but too much light can be harmful to the crop. With the help of a coating, you can control the light in the greenhouse. For even light distribution it is essential to apply the coating evenly. Our spray machines guarantee a perfectly even result, whatever the circumstances. You can use it to apply both a chalk layer and the coatings of all well-known brands (Mardenkro, Hermadix, Sudlac).



*Top Sprayer from contractor HPW in action*

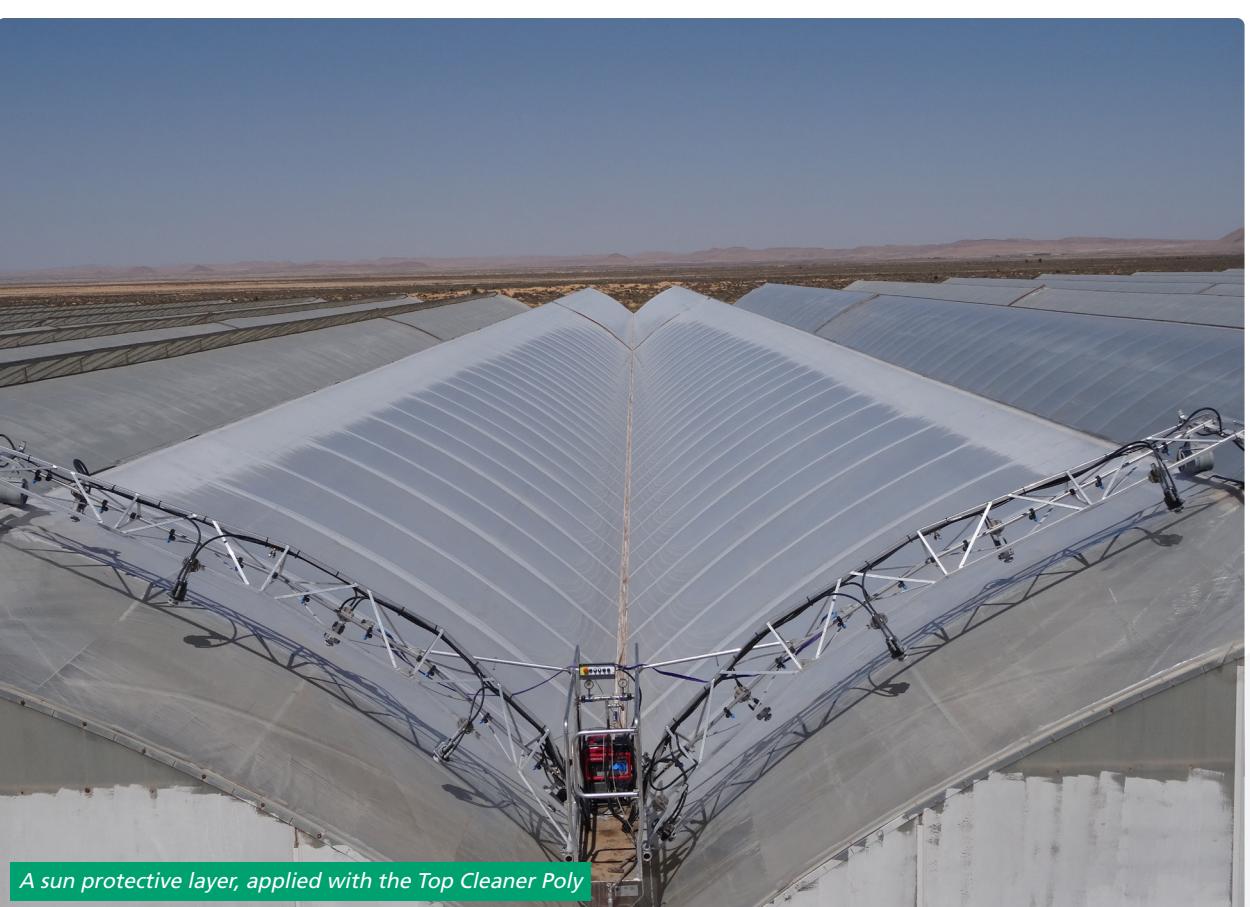
*Van der Waay Spray Computer*



With a spray computer, applying a coating becomes even easier and more efficient. Set the roof size and the desired amount of spray liquid, and the spray computer determines the correct speed of the machine.



*Diffuse layer, applied with the Top Cleaner*



*A sun protective layer, applied with the Top Cleaner Poly*



# Spray Carts

Van der Waay builds its own spray carts, and are fully tailored for practical use in conjunction with one of its chalk machines.

For example, the mobile version is equipped with extra large and robust all-terrain wheels, so that it is easy to move along the greenhouse walls.



Easy to fill mixing containers



Powerful stainless steel stirrer



### USPS's

- Diaphragm pump with brass pump housing, suitable for all coatings (Redusystems, Hermadix, Sudlac), and cleaning agents such as; GS4, Flusol-Forte, and Chlorine
- Easy to fill and clean mixing containers
- Electrically driven stainless steel stirrers
- Flow meter so that the correct amount of spray liquid can be easily set

### Standard features

- Top quality Comet diaphragm pump, IDS960 series, 57 - 90L per minute – max pressure 50 bar
- Pressure regulator equipped with Stellite pressure pin and seat (longer lasting than other steels)
- One (1,600L) or two (1,000L each) Polyester mixing containers including stainless steel stirrer(s)
- Flowmeter
- Hose reel
- Socket for power supply to platform



Pump trailer 960E1600PT



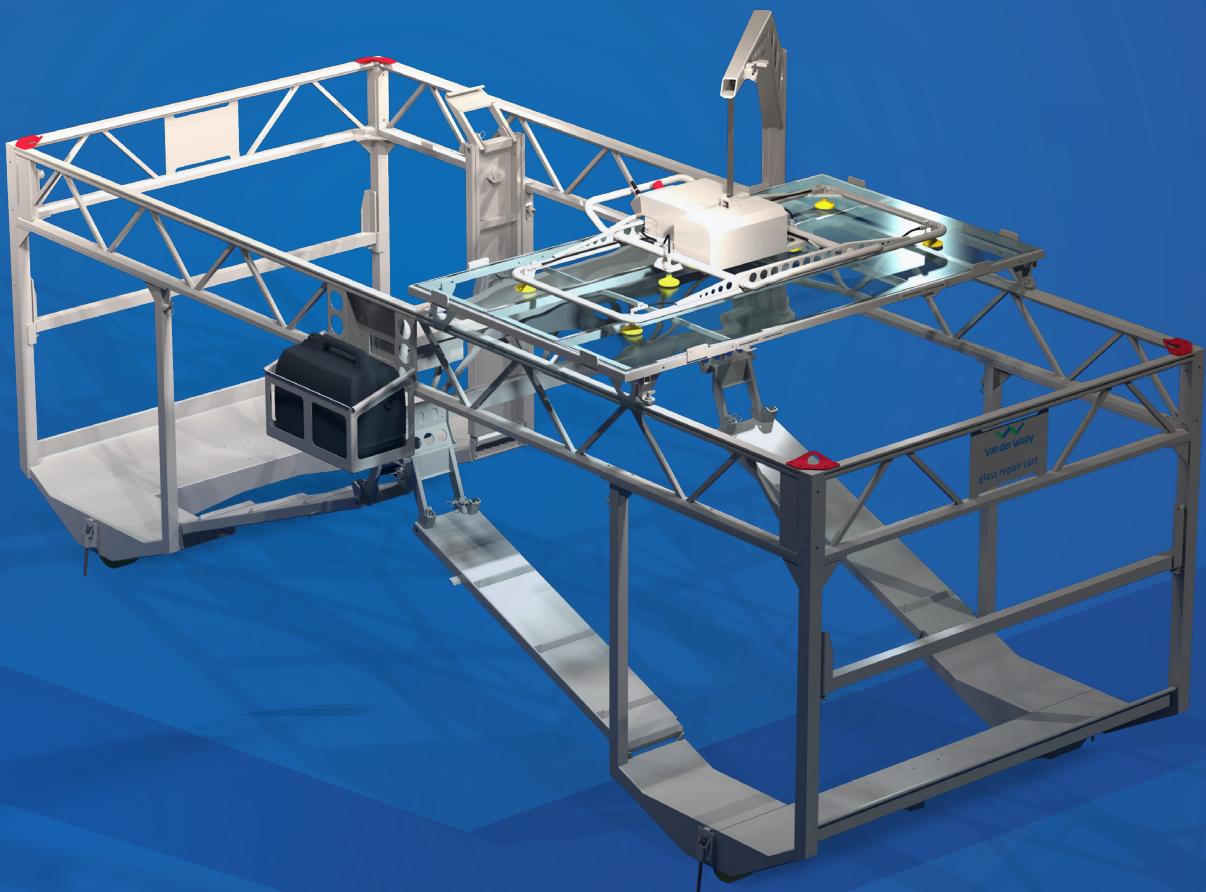
Pump unit 960E1600



Pump trailer 960PT1600, PTO driven pump and large hose reel

Greenhouse roof  
repair concept

# Glass Repair Cart & Glass Elevator



# *The safest and most efficient way to replace greenhouse glass panes*

With the Glass Repair Cart, broken glass panes can be replaced quickly and safely from the outside. Through a clever invention (patent pending), a greenhouse deck with tempered glass can be repaired with the original glass dimensions, keeping the greenhouse deck in its original state.

The Glass Repair Cart, developed and built by Van der Waay, meets all applicable European safety requirements.

The Glass Repair Cart can be moved from roof to roof using the platform of a Top Cleaner greenhouse deck cleaner, or if not available, it can be lifted onto the greenhouse deck using a telescopic handler.

To safely load the windows onto the glass repair cart, an electrically powered glass elevator is available. This elevator can be easily attached to a van der Waay platform, or to the greenhouse.

## USP's

- Safe; no danger of falling
- Prevents spreading of viruses; repairs are carried out entirely from the outside, so no repairmen inside the greenhouse
- No compromise on greenhouse climate; air vents can remain open, energy screen can remain closed
- Original; no deviating glass dimensions, no repair profiles
- Fits on a van der Waay Top Cleaner platform

## Standard features

- Built in accordance with the Machinery Directive 2006/42/EC
- 4 Lifting points in accordance with NEN-EN-ISO 3266
- 2 Lashing points on rail according to NEN-EN795
- Emergency stop circuit
- Glass rack with electric vacuum lifters according to EN13155
- powered by a 24V high performance Lithium battery pack
- 4 wheel drive
- variable drive speed
- electric glass winch with electric/ pneumatic vacuum system



# *Your roof, our care!*



Wherever you are in the world, we speak your language! More information can be found on our website, also in your language. Go to [www.vdwaay.nl](http://www.vdwaay.nl).



Waar ter wereld je ook bent, wij spreken jouw taal! Meer informatie vind je op onze website, ook in jouw taal. Kijk op [www.vdwaay.nl](http://www.vdwaay.nl).



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