

TOUCH FREE CAR WASHER

ENTRA



TOUCH FREE  
CAR WASHER

The model in this catalog show specification of a vehicle washer which ENTR A provide. The model includes parts which need to be ordered additionally. Please contact ENTR A for detailed information of the product. Design and equipment can be changed without notification.

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# entra

Entra Co.,Ltd

# ENTRA TOUCH FREE CAR WASHER



## **ESV - 2000**

(For small-sized vehicle)

## **ELV - 2000**

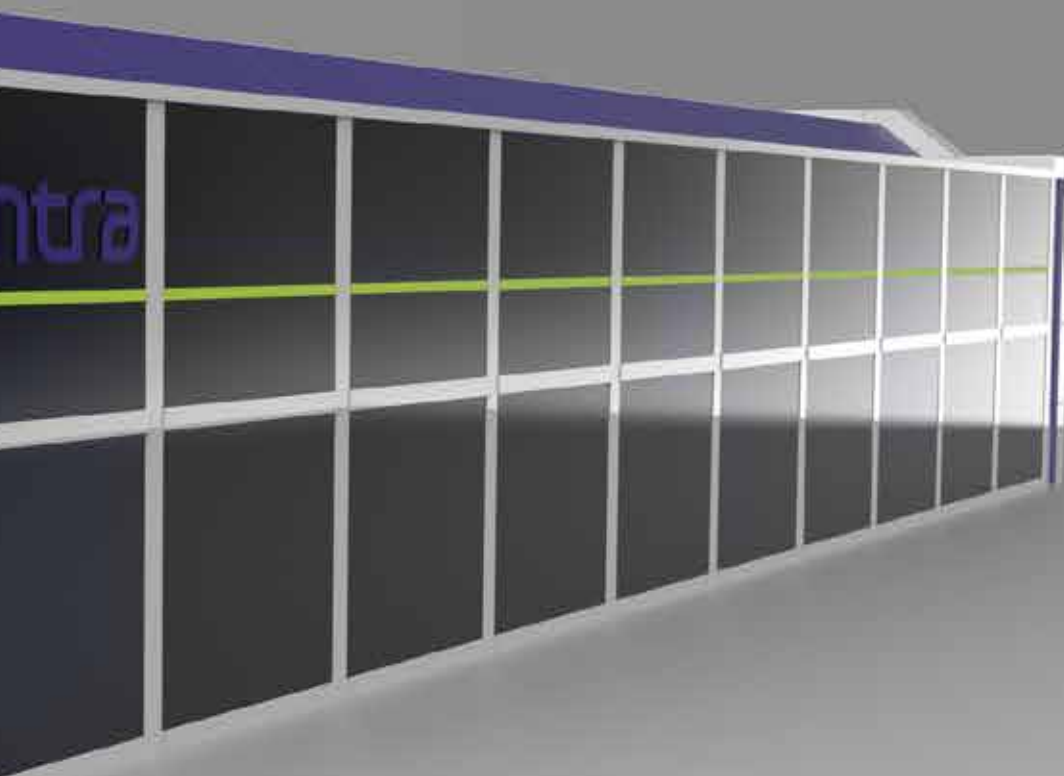
(For large-sized vehicle)

### **A. Short Washing time**

ENTRA Touch Free Vehicle Washer is drive thru/conveyor type wash system capable of high velocity wash

### **B. Minimize Water Consumption**

Using self-developed RCL MODULE, capable of minimizing (saving) water consumption by recycling used water.



## FRONT



## SIDE



## BACK



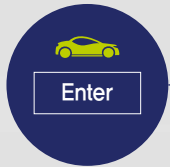
### C. High Pressure & Velocity Spinning Nozzle For Wash

Using 100~200rpm, 15~25 bar  
Spinner nozzle for all direction washing.  
Using high pressure direct spraying  
nozzle for front and rear washing.

### D. Touch Free Wash System


No brush, Touch free washing process  
enables not only skid-less and  
damage-less wash, but also wash of  
various structured vehicle.

# ENTRA TOUCH FREE CAR WASHER PROCESS



### 1. Chemical Spray

Spray a chemical before washing process for chemical react with substance on the surface of a vehicle.



### 2. Wash

Wash out reacted substance with spinning nozzle and high pressure water.



### 3. Rinse

Rinse out residue with fresh water after wash procedure.





#### 4. Wax(Optional)

Cover the vehicle surface with wax to protect the surface.

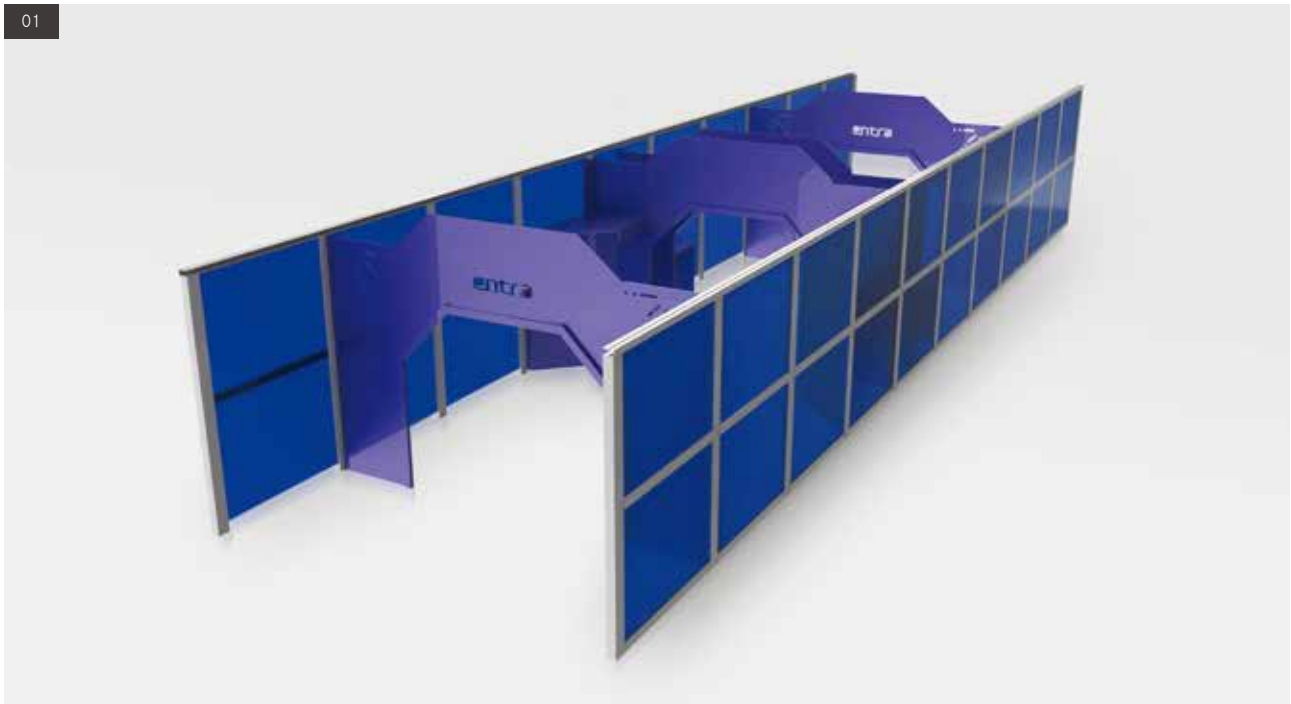


#### 5. Dry(Optional)

Remove water on the surface.



# EQUIPMENT HIGHLIGHTS



[ 01 ] Interior structure [ 02 ] Roof panel molding and LED below channel [ 03 ] RCL MODULE - minimize water consumption by recycling used water [ 04 ] Interior structure of molding [ 05 ] Conveyor - transfer a vehicle automatically. Safe and highly efficient and durable



[ 06 ] High Pressure Spinner Nozzle - wash whole area which water can approach with 100–200 rpm, 15–25 bar to maximize washing range and performance [ 07 ] Wheel Washer - install wheel washer at the places lots of dirt generated such as Metropolitan landfill and Seoul metropolis foundation facility head office to retrieve the dirt taken outside by vehicles [ 08 ] Infrared Light Sensor - Infrared light sensor detects a vehicle to activate relevant washing procedure to save power consumption and water (time adjustable)



# TECHNICAL DATA

## ESV-2000 (for small-sized vehicle)

Reference(in operation) : Changwon Joen LPG gas station



## ELV-2000 (for large-sized vehicle)

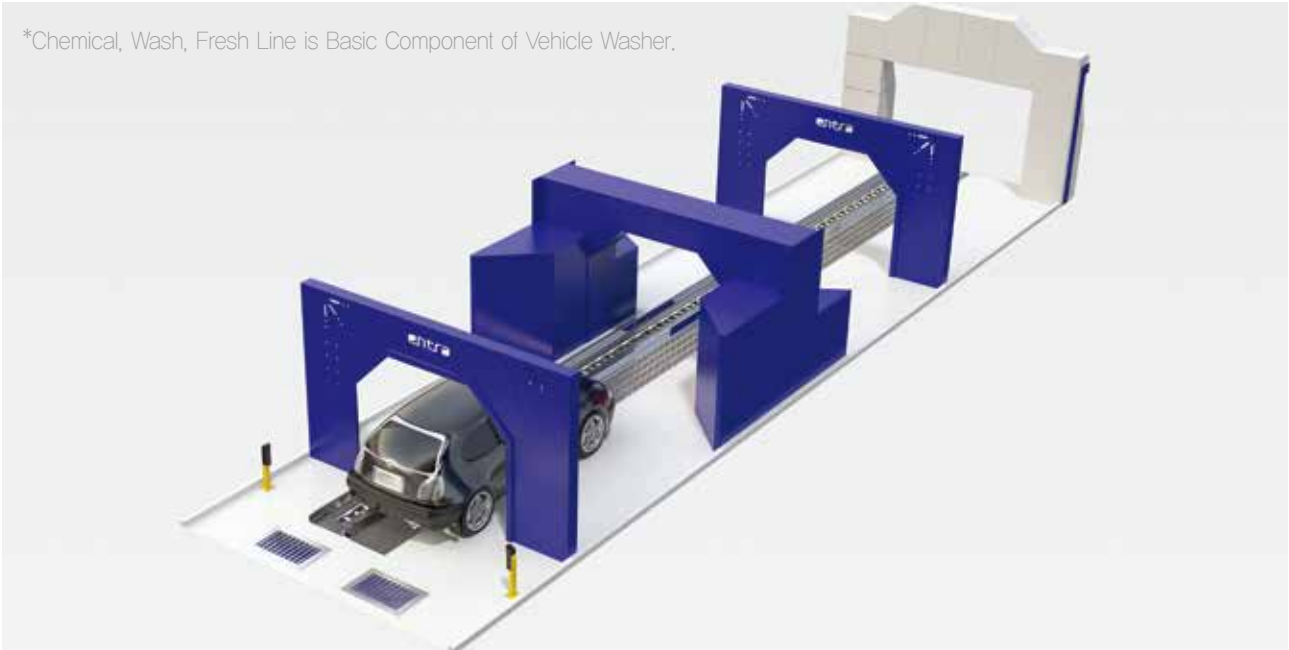
Reference(in operation) : Metropolitan Landfill



Reference(in operation): Seoul metropolis foundation facility head office



\*Chemical, Wash, Fresh Line is Basic Component of Vehicle Washer.



항목		ESV-2000 (for small-sized vehicle)	ELV-2000 (for large-sized vehicle)
Capacity		Max. 60 vehicles per hour	Max. 40 vehicles per hour
Max. Height	mm	2,600	4,400
Max. Width	mm	3,400	4,000
Length	mm	17,000–20,000	27,000–30,000
Max. Washing Height	mm	2,200	4,100
Max. Washing Width	mm	2,200	3,000
Min. Using Area	m <sup>2</sup>	102(30.9)	160 (48.4)
Input Power	V, Phase, kW	380, 3, 50	380, 3, 110
Washing Water Pressure	Bar	15–25	15–25
Recycled Water Usage	L / vehicle(fresh water)	500–1,000	700–1,200
Fresh Water Usage	L / vehicle(fresh water)	40–85	50–85
Chemical Usage	L / vehicle	0.2–0.5	1–5
Others(optional)		Recycled water use, Anti-freezing, Housing, Conveyor, Civil work, Dryer	Recycled water use, Anti-freezing, Housing, Conveyor, Civil work, Dryer

# Distributor Network World



18 Countries besides China and Poland

# Branch Status Korea



# ENTRA is

We, ENTRA Co., Ltd. aiming for "Men First, Customer Satisfaction", have been continuously developing with great interest and help of customers, and doing our best establishing mass production process of Touch Free Vehicle Washer and Wheel Washer to repay the support of customers.

With the world class personnel and improvement of quality control by ISO 9001 and ISO 14001 certificate, we will take care of all product sold until the end. Thus, we will try our best to be a sound company who value and fulfill every single promise with customers.



## Presidential Prize for Excellent Industry Certificate



ISO 9001



ISO 14001



Innobiz



Automatic Disinfectant System for vehicles



Wash Apparatus for large sized vehicles



Transfer Conveyor for vehicles