OPTIMA STEAMER

THE WORLD BEST GREEN SOLUTION
OPTIMA STEAMER

The World Leader in Industrial Steam Cleaning



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COMPANY OVERVIEW

SJE Corporation, Ltd. is a leading manufacturer of OPTIMA STEAMER (industrial steam cleaning machines), headquartered in Busan, South Korea.

Since our establishment in 1991, we have been committed to providing industrial cleaning equipment while addressing critical environmental, social, and governance (ESG) concerns.

Through the distribution of industrial cleaning equipment, we learned about the inevitable inconveniences, issues, and limitations that customers face, such as high water usage, wastewater runoff, and the costly need for a wastewater treatment facility. Moreover, we also expected that water scarcity will become an increasingly global issue, and regulations will become stricter.

Consequently, we recognized the need for an industrial steam cleaning machine to provide a better experience for our customers and to offer a cleaning solution for the global water scarcity issue.

After extensive research and testing, we proudly launched the OPTIMA STEAMER, the world's first steam car wash machine & industrial steam cleaning machine.

With its cutting-edge technology, the OPTIMA STEAMER not only delivers highly efficient cleaning and disinfection, but also minimizes water consumption by utilizing powerful steam and eliminating wastewater runoff, the need for a wastewater treatment facility.

We are proud to have successfully exported the OPTIMA STEAMER to over 130 countries, supported by our advanced technology and excellent global after-sales service network. Our commitment to customer satisfaction and environmental responsibility has enabled us to establish a strong presence worldwide.

By successful distribution of OPTIMA STEAMER in the world, we are now closer to achieving our goal of becoming a green manufacturer dedicated to protecting the environment and passing down a green Earth to future generations through eco-friendly cleaning solutions and world-leading innovative technology.



CERTIFICATION



COMPANY HISTORY

2025. 09 Released new OPTIMA XEm

2024. 09 Released new OPTIMA XDm

2023. 11 Nominated OPTIMA STEAMER as 'World-class Product' by the Korean Ministry of Trade, Industry & Energy

2022. 04 Selected as a Global small Giant enterprise of S.Korea

2021. 09 Patent for Steam Boiler system with Breather Valve

2020. 07 Nominated as Respected Entrepreneur in S.Korea

2019. 05 Won the 'Iron Tower' Prize of Industrial Service Merit

2018. 04 Selected as a Global small Giant enterprise of S.Korea

2017. 12 Nominated as "Human Resource Development Enterprise by Small & Medium Business Administration" Got a Strategic Industry Leading Company Certification

2016. 07 Won the “Grand Prize for Small and Medium Entrepreneur” awarded by the Mayor of Busan Metropolitan City

06 Selected as “The Best Venture Company” by the Korea Venture Business Association

2014. 12 Nominated as “National Top 100 Human Resource Development Enterprise by Small & Medium Business Administration

04 Patent for **STEAM BOILER** registered in the United States Patent and TradeMark office

2013. 05 Obtained CSA(Canadian Standards Association) certification

2012. 08 Nominated as a Global Top Rank Enterprise by Small & Medium Business Corporation

2011. 12 Awarded the Prime Minister Citation for its contribution to export growth

2009. 11 Obtained a NRTL certification (qualified for ”cTUVus”) for the OPTIMA STEAMER

2008. 07 Obtained quality certification ISO9001;2000

04 Obtained an EU quality certification “CE” Mark for Electromagnetic Compatibility

2003. 05 Opened a Customer service centre & show room in Seoul, S.Korea

1998. 09 SJE took over the high pressure washer business from LG Industrial Systems Co., Ltd.

1991. 01 Founded SeongJin Engineering Co. , professional distributor of industrial high pressure and cleaning equipment

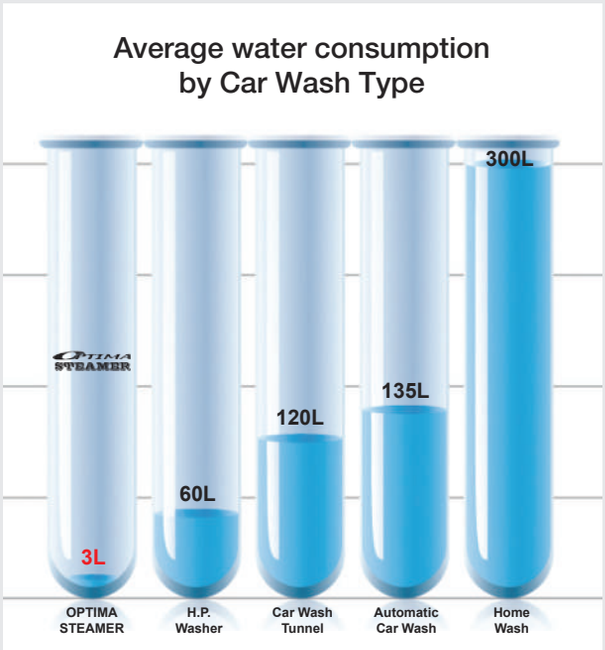
WHY STEAM?

CLEAN ANYWHERE (Unrestricted Mobility)



The OPTIMA STEAMER allows workers to take their business on the road. This convenient all-in-one system allows the customer to wash and detail anywhere and everywhere with little to no wastewater, using just 3~4 litres of water. The convenient all-in-one system allows the customer to wash any vehicles such as cars, airplanes, boats and camping trailers anywhere and everywhere with little to no wastewater.

SAVE WATER, SAVE TIME, SAVE MONEY



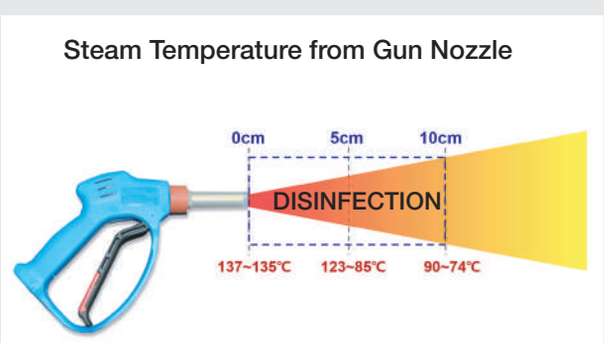
The OPTIMA STEAMER's patented boiler design superheats water into what we in the industry call "Dry Vapor Steam". Dry Vapor Steam will powerfully clean while using a tiny fraction of water compared to conventional cleaning methods-such as pressure washing. Using less water and doing jobs quicker means you'll save money. Steam will allow you to offer your customers more services and for a premium rate. And because it can be used anywhere, you can offer services that you only thought possible if you installed drainage and reclamation systems.

CLEAN EXTREME



Steam sanitizes and disinfects while it cleans. Chemicals cover up odors and mask stains. Steam penetrates pores, fibers and microscopic surface abrasions. When you use the OPTIMA STEAMER to clean, you're cleaning extreme.

COVID-19



WHO recognizes viral inactivation by heat. Temperature of 80°C (176°F) or higher on contact surfaces is known to inactivate viruses. Within 10cm, the steam of OPTIMA STEAMER carries the temperatures which are lethal against viruses.

TESTIMONIALS



1. Josh V. / Detail Green USA / California, USA

"The OPTIMA STEAMER is amazing.
I've been detailing cars as a mobile service for about 6 years now and always hated dealing with water run-off polluting the ocean in my home town of San Diego, not to mention the city restrictions on water usage and the hassle it was to lay down a wash mat and reclaim all of my water."

2. Mohammed Al-Showair / Advanced Cleaning Co. / Saudi Arabia

"For the last 3 years, hundreds of Middle Eastern customers have been very much satisfied with OPTIMA STEAMER so that ,when they need to buy steam cleaning machine again, they always have been royal to OPTIMA STEAMER. The reason why customers choose OPTIMA STEAMER is that they value the high performance and premium quality of the OPTIMA STEAMER the most."





3. Mohren-Krause / Greenstone Reinigungstechnik UG / Rosdorf, Germany

" We have been successfully selling the OPTIMA STEAMER for over 10 years. Our customers are mainly car detailers, cleaning companies and the food industry. Our satisfied customers appreciate the performance and the simple operation of the OPTIMA STEAMER."

4. Loïc & Aurélien WEBER / OPTIMA STEAMER France / Strasbourg, France

" Over the past years, we have supported many customers with OPTIMA STEAMER machines. Their performance, reliability, and our field expertise allow us to deliver efficient, sustainable steam cleaning solutions perfectly tailored to market needs. All of our clients are fully satisfied and recommend us within their professional network."





5. Piyush & Parag Khokle / Steam Buddy / Chhattisgarh, India

"After using OPTIMA STEAMER , my traditional car wash business has changed to a smart and professional car wash business.
With OPTIMA STEAMER , I can also provide door step service.
My workers look neat and clean. My customers are now more satisfied with the internal hygiene of the car. Thank you OPTIMA!"

INDUSTRIAL STEAM CLEANER

OPTIMA XD - DIESEL STEAMER



OPTIMA XE - ELECTRIC STEAMER



OPTIMA XD



OPTIMA XE



MODELS	XD	XE 12K	XE 18K	XE 27K
Operating Voltage	1-Phase 100V ~ 240V	3-Phase 200V ~ 600V	3-Phase 200V ~ 600V	3-Phase 380V ~ 600V
Operating Pressure	8.5 bar	8.5 bar	8.5 bar	8.5 bar
Max. Pressure	9.5 bar	9.5 bar	9.5 bar	9.5 bar
Max. Temp. at Gun Tip	135 °C	135 °C	135 °C	135 °C
Boiler Temp.	178 °C	174 °C	174 °C	174 °C
Steam Flow Rate	300~1,800 cc/min	300~900 cc/min	300~1,200 cc/min	300~1,700 cc/min
Steam Hose Connections	2	2	2	2
Preheating Time	3~4 min	10~11 min	6~7 min	6~7 min
Power Consumption	0.3 kW	12.2 kW	18.2 kW	27.2 kW
Fuel Consumption	0.2~1.1 L/hr	N/A	N/A	N/A
Water Tank Capacity	36 L	72 L	72 L	72 L
Fuel Tank Capacity	36 L	N/A	N/A	N/A
Net Weights	89 kg	81 kg	82 kg	89 kg
Dimensions [LxWxH]	995 x 660 x 887 mm	995 x 660 x 887 mm	995 x 660 x 887 mm	995 x 660 x 887 mm
Hose/Gun Included	1 set	1 set	1 set	1 set

OPTIMA XDm - DIESEL STEAMER



OPTIMA XEm - ELECTRIC STEAMER



OPTIMA XDm



OPTIMA XEm



MODELS	XDm	XEm 10.5K
Operating Voltage	1-Phase 100V ~ 240V	3-Phase 200V ~ 600V
Operating Pressure	8.5 bar	8.5 bar
Max. Pressure	9.5 bar	9.5 bar
Max. Temp. at Gun Tip	135 °C	135 °C
Boiler Temp.	178 °C	174 °C
Steam Flow Rate	250~500 cc/min	250~500 cc/min
Steam Hose Connections	1	1
Preheating Time	3 min	8 min
Power Consumption	0.28 kW	10.5 kW
Fuel Consumption	0.2~0.7 L/hr	N/A
Water Tank Capacity	11 L	22 L
Fuel Tank Capacity	11 L	N/A
Net Weights	52 kg	55 kg
Dimensions [LxWxH]	770 x 480 x 740 mm	770 x 480 x 740 mm
Hose/Gun Included	1 set	1 set

INDUSTRIAL STEAM CLEANER

OPTIMA DMF - DIESEL STEAMER



OPTIMA EST - ELECTRIC STEAMER



OPTIMA DMF



OPTIMA EST



MODELS	DMF	EST 12K	EST 18K	EST 27K
Operating Voltage	1-Phase 100V ~ 240V	3-Phase 200V ~ 600V	3-Phase 200V ~ 600V	3-Phase 380V ~ 600V
Operating Pressure	8.5 bar	8.5 bar	8.5 bar	8.5 bar
Max. Pressure	9.5 bar	9.5 bar	9.5 bar	9.5 bar
Max. Temp. at Gun Tip	135 °C	135 °C	135 °C	135 °C
Boiler Temp.	178 °C	174 °C	174 °C	174 °C
Steam Flow Rate	300~1,800 cc/min	300~900 cc/min	300~1,200 cc/min	300~1,700 cc/min
Steam Hose Connections	2	2	2	2
Preheating Time	3~4 min	10~11 min	6~7 min	6~7 min
Power Consumption	0.3 kW	12.2 kW	18.2 kW	27.2 kW
Fuel Consumption	0.2~1.1 L/hr	N/A	N/A	N/A
Water Tank Capacity	20 L	40 L	40 L	40 L
Fuel Tank Capacity	20 L	N/A	N/A	N/A
Net Weights	83 kg	74 kg	75 kg	83 kg
Dimensions [LxWxH]	1,090 x 700 x 900 mm	1,090 x 700 x 900 mm	1,090 x 700 x 900 mm	1,090 x 700 x 900 mm
Hose/Gun Included	1 set	1 set	1 set	1 set

FOOD-GRADE ELECTRIC STEAMER

OPTIMA SE II - ELECTRIC STEAMER










OPTIMA
SE II



MODELS	SEII 18K	SEII 27K	SEII 42K	SEII 18K ASME	SEII 27K ASME	SEII 42K ASME
Operating Voltage	3-Phase 200V ~ 600V	3-Phase 380V ~ 600V	3-Phase 380V ~ 600V	3-Phase 200V ~ 600V	3-Phase 380V ~ 600V	3-Phase 380V ~ 600V
Operating Pressure	8.5 bar	8.5 bar	8.5 bar	8.5 bar	8.5 bar	8.5 bar
Max. Pressure	9.5 bar	9.5 bar	9.5 bar	9.5 bar	9.5 bar	9.5 bar
Max. Temp. at Gun Tip	135 °C	135 °C	135 °C	135 °C	135 °C	135 °C
Boiler Temp.	174 °C	174 °C	174 °C	174 °C	174 °C	174 °C
Steam Flow Rate	300 ~ 1,200 cc/min	300 ~ 1,700 cc/min	300 ~ 1,900 cc/min	300 ~ 1,200 cc/min	300 ~ 1,700 cc/min	300 ~ 1,900 cc/min
Steam Hose Connections	2	2	2	2	2	2
Preheating Time	6~7 min	6~7 min	10~11 min	6~7 min	6~7 min	10~11 min
Power Consumption	18.2 kW	27.2 kW	42.2 kW	18.2 kW	27.2 kW	42.2 kW
Water Tank Capacity	38 L	38 L	38 L	38 L	38 L	38 L
Boiler Material	304 Stainless steel	304 Stainless steel	304 Stainless steel	Carbon Steel (ASME)	Carbon Steel (ASME)	Carbon Steel (ASME)
Body Material	304 Stainless steel	304 Stainless steel	304 Stainless steel	304 Stainless steel	304 Stainless steel	304 Stainless steel
Net Weights	103 kg	110 kg	119 kg	119 kg	128 kg	144 kg
Dimensions [LxWxH]	910 x 560 x 870 mm	910 x 560 x 870 mm	910 x 560 x 870 mm	910 x 560 x 870 mm	910 x 560 x 870 mm	910 x 560 x 870 mm
Hose/Gun Included	1 set	1 set	1 set	1 set	1 set	1 set

ACCESSORIES – OPTIMA STEAMER

85-50356



Steam Gun K26 with nozzle 3.5

85-50358



Power Steam Gun RL22 with nozzle 5.5

85-50245



Steam Nozzle 3.5 + Hand Grip

85-50398



Steam Gun K26 with pipe nozzle 3.5

85-50253



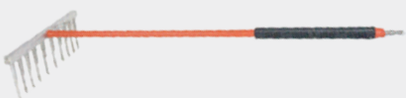
Steam Gun K26, SC30

85-50047



Steam Gun K26, KC35

85-50187



Sand sanitizing wand, KPS45

85-50038



Weed Control, Roller, KPS45

85-50089/85-50091/85-50092/85-50093



Mop wand with squeegee
1.2M / 2.4M / 3.6M / 5.5M

85-50056



Floor Spinner with lance, KPS45

85-50036

Weed Control, Spear, KPS45

85-53009



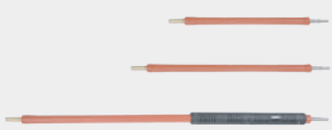
Floor Square brush with lance, KPS45

85-50076/85-50077/85-50264/ 85-50064/85-50063/85-50194



Lance (45°) with brush holder, KPS45
L.100/250/500/700/1000/1200

85-50079/85-50269/85-50061



Steam Nozzle, KPS45
L.300/500/1000

85-50222



Wide Steam Nozzle, SCP30

85-50360



Steam Nozzle 3.5, SCP30

85-50382



Silence Steam Nozzle, SCP30

85-50254



Turbo Steam Nozzle, SCP40

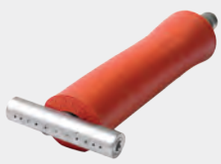
ACCESSORIES – OPTIMA STEAMER

85-50359



Flat fan Nozzle 50, SCP30

85-50373



Flat Nozzle 50, SCP30

85-50212



Flat Nozzle L.100 +SCP30

85-50404



Steam Extractor Hand Tool 4V.

85-50088



Heat-Resistant Vacuum Hose D.38, 3m

85-50202



Steam hose PTFE 6-8, 10m

85-50364



Power Steam hose PTFE 8-10, 10m

85-50213



Rubber protect steam hose PTFE 6-8.5, 10m

85-50135



Barrel Wand with Bimetal Thermometer 4V.

85-56026



LT5 Water softener with shelf Assy

25-50320



Round Brush D.100 Nylon

35-50290



Brush with polyester bristles 60mm

35-50291



Small Brush with polyester bristles 30mm

35-50292



Small Brush with steel bristles 30mm

35-50293



Scraper 50, plastic

85-50285/85-50286/85-50287



Conveyor Cleaning Tool, Pneumatic Spinner
610 mm / 1000 mm / 1220 mm

85-50201/85-50180/85-50200



Conveyor Cleaning Tool, Pneumatic
610 mm / 1000 mm / 1220 mm

Scan here to check More Accessories

MOBILE CAR WASH



Make Your Car Gleam with Steam!

The steam generated by the OPTIMA STEAMER is hot enough to lift off any grease and soilage. It produces enough pressure to break down dirt, caked-on dust and mud efficiently.

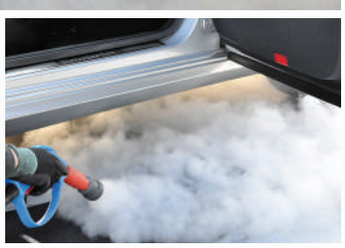
Comprehensive Car Cleaning Services at Your Doorstep!

It is becoming a global trend to get your car washed by on-demand, Smart App-based mobile car cleaning services. Once you make an on-line booking via Mobile App., mobile van will come to your location and take care of your car while you go about your day.

AUTO DETAILING & REPAIR








Complete & Simplified Operation

Steam is now a vital part of the automotive repair industry. The OPTIMA STEAMER leaves no residue and dries almost instantly, avoiding the hassles of clean-up and wastewater runoff.

The OPTIMA STEAMER also speeds up the cleaning process by easily removing compound in the tightest cracks and crevices.

A Clean Automotive Facility Leaves a Good Impression on Customers

The OPTIMA STEAMER not only cleans cars, but also keeps your shops in spotless condition. Remove grease residue, oil stains, and other blemishes from your equipment to maintain your shop's presentation.

MOTORBIKE, RV, TRUCK & BUS

Clean All Modes of Transportation with the OPTIMA STEAMER

Modern engines almost require cleaning with vapor steam, a cleaning method that's safe with today's sophisticated electronics and sensitive infrastructures. The OPTIMA STEAMER not only thoroughly washes your vehicles, but also sanitizes the interior and refurbishes greasy engine parts anew.

A New Innovative & Green Niche

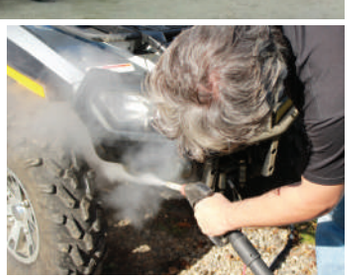
Where a pressure washer consumes 150 to 300 litres of water, a steam cleaner can cut that amount down to about 4 litres per a vehicle wash. It can also reach the tightest spaces and fittings that would otherwise be completely inaccessible with a pressure washer.













FOOD PROCESSING

Total Sanitation

Most of pathogens are known to be eliminated at 78°C. The OPTIMA STEAMER is constantly able to produce hot dry steam at a pressure and temperature of 8.5–9.5 bar and 100–135°C at the nozzle tip, ensuring total sanitation of unwanted micro-organisms.



Clean and Sanitize Hard-To-Reach Areas

If your preparation area is older with scratches, dents, visible cracks or rusted and pitted areas allowing food particles trapped and bacteria to multiply, it may be impossible to clean using the method described in your SSOP. Steam cleaning might get the area “clean enough”











WINERY & BREWERY













Thorough Sanitation via Dry Steam

The OPTIMA STEAMER is ideal for the wine industry, making cleaning operations throughout the facility simple and more effective. Dry vapor steam travels much faster than liquid water and can reach deep into harborage areas and the wood pores of barrels. This allows for thorough sanitation, killing Brett and Zygo as well as countless other microorganisms.

Barrel Cleaning

Nooks and crannies are the favorite places for bacteria to hide in barrels, but being in gaseous form, steam will effectively penetrate the cellulous structure of the wood. Also with the high temperature, tartrate removal is considerably easier, taking far less time and using virtually no water.

EXTERIOR & HARD SURFACE CLEANING

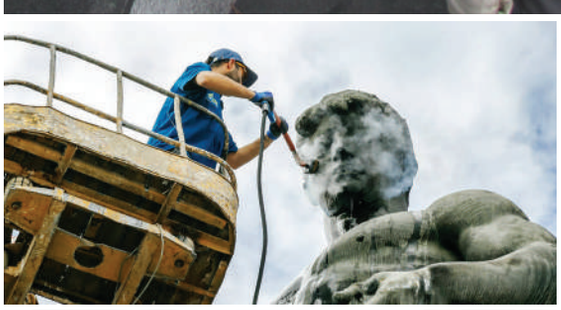


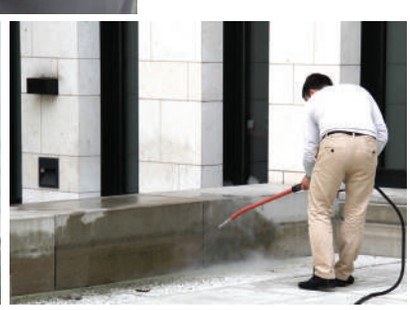
Unsurpassed Standards of Exterior Surface Cleaning

Graffiti, unwanted tagging and marking on the street posts, bulletin boards and building walls tend to spread like a virus. It is a big job to remove layers of layers of paints and taggings by the conventional cleaning method which is extremely laborious, difficult and also very inefficient, usuallty leaving the surface wet and damaged.

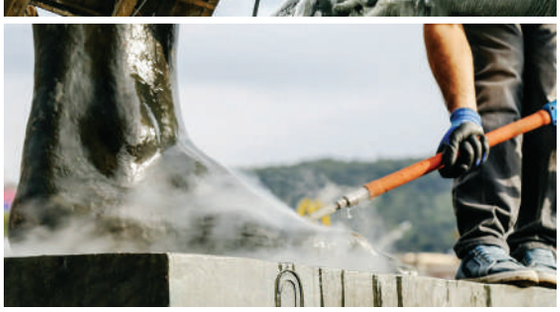
Hassle-Free Cleaning System

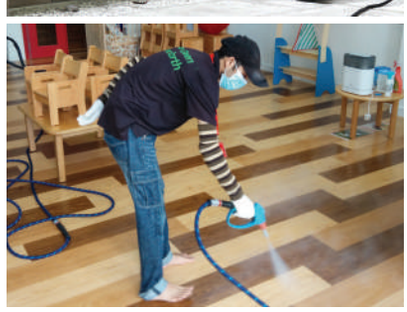
The OPITMA STEAMER removes graffiti and taggings without chemicals and intensive scrubbing. Steam heat and pressure break them up for easy removal and an overall quicker cleaning process without damaging the original material.













HVAC

Why Clean Coils?

Cooling coils trap dust, soil, grime, and other trouble some deposits that reduce the heat transfer efficiency of HVAC units. Although a coil may look clean on the s surface, the majority of the debris is logged within the coil. What most people see is dirt accumulation on the fins that are designed to protect the coil. The coil which we usually do not see is located inside behind the fins.

Save Energy and Money

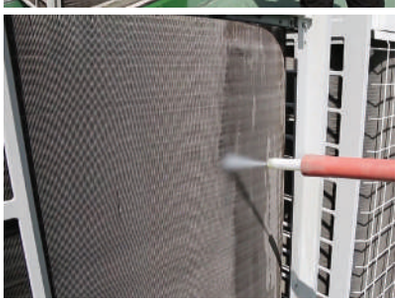
A sandwich wrapping thickness of debris on AC coils can increase energy consumption over 20% which requires more electricity and in turn, this will result in higher utility bills.
Removal of built-up dirt and grime from cooling coils with OPTIMA STEAMER improves system efficiency, reduces electricity consumption, and ensures a long operating life of the unit.













SOLAR PANEL

Why Clean Solar Panels?

Solar panels are designed to absorb the sun's rays as a source of energy for generating electricity or heating. Due to the upwards angle of solar panels, they are more prone to bird droppings, dust and dirt that does not wash off with just rain. This build-up of dust, dirt, pollen, bird droppings and other debris reduce the amount of light hitting the panels and adversely affect optimal Solar Panel Efficiency.

Cleaning Solar Panels That Had Been in Operation for 15 Months Doubled Their Output of Electricity.

Rain is not a satisfying way of cleaning solar panels. Solar panels that were cleaned professionally had a 12% higher output of electricity compared to those cleaned by rain. This literally means that they will generate 15-25% less electricity and this easily adds a couple of years extra on the payback time.









RESIDENTIAL CLEANING

A Professional Cleaning Solution to Help Prevent Harmful Bacteria

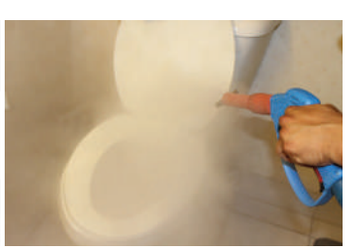
Bacteria are everywhere, but some areas are more likely to breed harmful bacteria. Dust mites, allergens and bacteria are all seeking asylum in your mattresses and carpets. As you clock in your 8 hours of sleep, you are also breathing in allergens that can cause asthma. OPTIMA STEAMER specializes in deep cleaning, sanitizing and deodorizing with chemical-free approach, leaving no water residue behind.

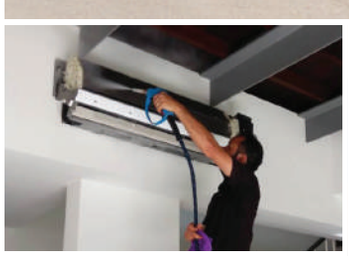
Better for Your Family Members

Cleaning with steam protects you and your family. Unlike detergents, the condensed steam leaves no potentially allergy-inducing residues behind on the surfaces it cleans. This is particularly important for small children who like to put things in their mouths. Accidents caused by using the wrong cleaning agent, skin irritation or other negative health effects are no longer an issue thanks to steam.

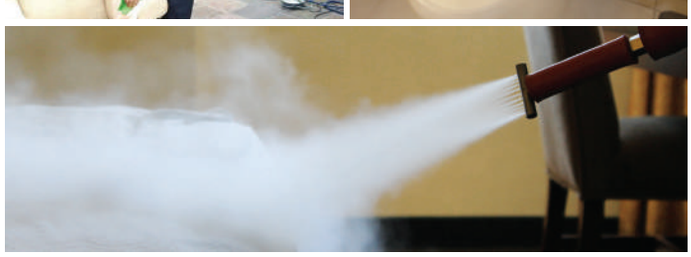


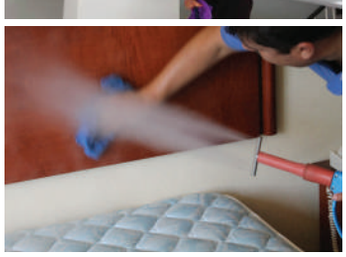






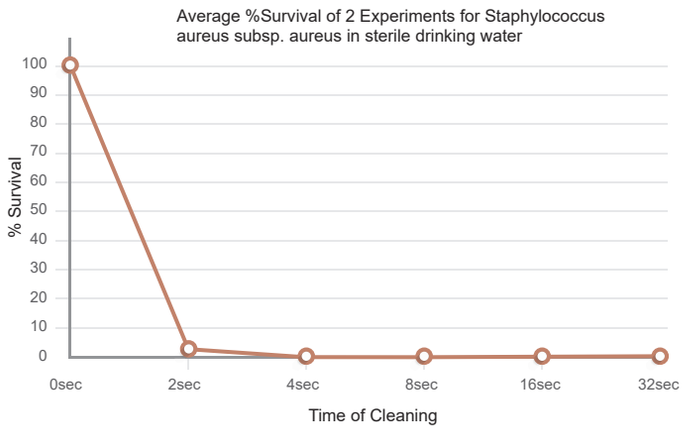






MEDICAL

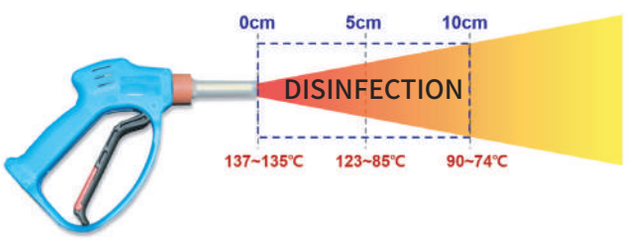
Reduction in the Microbial Load on High-Touch Surfaces in Hospital Rooms by Treatment with a Portable Dry Steam Vapor



The OPTIMA STEAMER reduced bacterial levels by 100% and reduced pathogen levels on most surfaces to below the detection limit after 4 seconds of steam spraying.

The OPTIMA STEAMER provides a means to reduce levels of microorganisms on hospital surfaces without the drawbacks associated with chemicals, and may decrease the risk of cross-contamination.

Coronavirus Disease 2019 (COVID-19)



Within 10cm, the steam of OPTIMA STEAMER carries the temperatures which are lethal against viruses. Provision of safe water, sanitation and waste management and hygienic conditions is essential for preventing and for protecting human health during all infectious disease outbreaks, including coronavirus disease 2019. (COVID-19)



URBAN WEEDING



Environmental Alternative for Urban Weeding

Currently, weeding in urban areas is usually carried out by responsible authorities/organizations using a variety of harmful chemicals. These chemicals usually corrode the surrounding area and ultimately harm the environment. The OPTIMA STEAMER generates pressurized high temperature steam which bursts the cells of the plants and sterilizes the soil. This leads to restriction and stunting of new growth. This is achieved without harm to the surrounding vegetation by using a directional spray gun. OPTIMA STEAMER is also able to disinfect general urban areas.













Picture taken immediately after the OPTIMA Treatment >> Picture taken **ONE DAY LATER** >> Picture taken **THREE DAYS LATER**

MARINE





Safely Remove Dirt and Mold

Fiberglass material can be easily stained and damaged with traditional cleaning chemicals, whereas the light pressure of steam safely removes dirt and odours from all surfaces. It will sterilizes a boat's interior, killing bacteria, germs and other nasties from soft fabrics and upholstery.



The Tough Job Expert

Steam supports the regular maintenance of the hull by loosening barnacles and killing mould while preserving the wax on surfaces so your hard labour won't be lost. Using steam to maintain your boat prevents future complications and protects its long-termre-sale value.





INDUSTRIAL STEAMER

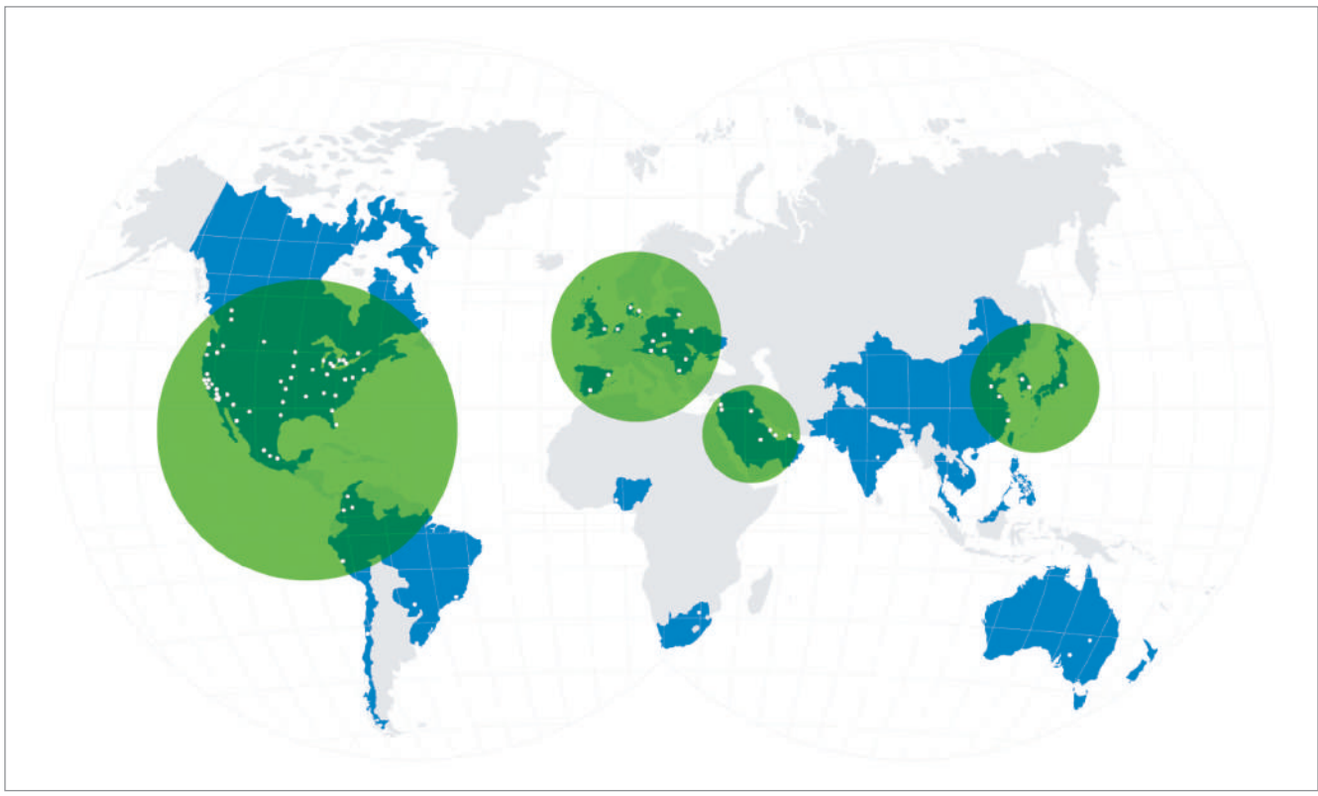






OPTIMA STEAMER

OPTIMA STEAMER GLOBAL NETWORK



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