

# STEAM CLEAN & DISINFECT

*STEAM CLEANING IS  
THE SIMPLE WAY!*



**Matrix.**  
Cleaning Systems

GLOBAL MANUFACTURER OF SUSTAINABLE STEAM CLEANING MACHINES

**Matrix.**  
Cleaning Systems

# PANDEMIC

## GLOBAL OUTBREAK OF COVID-19 RAISES AWARENESS

- The deep cleaning effect of steam ensures that bacteria and other unwanted micro-organisms are destroyed when cleaning with steam, even right down into the deepest pores of the polluted surfaces.
- Subsequently the minimal residue left behind by the use of steam can be removed by the simultaneous use of microfibre or vacuum.
- This way the bacteria will not be able to duplicate and the surface will be instantly and hygienically clean.

**MATRIX are a UK manufacturer of a wide range of steam cleaning machines.**

➤ **Help us to make the “world” a cleaner place.....**

RAISE  
AWARENESS.....



# COVID-19

## FACTS.....

- In January 2020 a novel coronavirus, SARS-CoV-2, was identified as the causative agent of an outbreak of viral pneumonia centred around Wuhan, Hubei, China. That disease is now called COVID-19. The virus has caused a widespread outbreak of disease similar to SARS throughout China, with exported cases occurring in other continents, including the UK & the United States
- Research has shown that a related coronavirus that causes Sars could be killed by temperatures above 56°C or 132°F (hotter than even a bath scalding enough to cause injury) at a rate of about 10,000 viral particles every 15 minutes
- The coronavirus (COVID-19) has not yet been sufficiently examined to have certified and proven methods for disinfection



## Steam and Vacuum performance with power

MATRIX SV4 – STEAM  
& VACUUM 4.5 BAR....

- Stainless steel construction
- Continuous fill boiler (allowing refill at any time during operation)
- Integral vacuum system
- Non-marking castors

The SV4 with its 4.5 bar boiler pressure and integral vacuum system, compactness and versatility makes this system perfect for medium / heavily soiled areas.



Matrix steam cleaners have been proven to clean post treatment surface with > 99.999 % removal of all challenged organisms

\* Microbiologist report available





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Date 06 06 2008

Steam Clean (UK) Ltd T/a Matrix Cleaning Systems

## Certificate of Analysis Matrix 4 Bar

### Form of Use of the Matrix Steam Cleaning device:

In all trials the machine under evaluation was charged with tap water. The device was powered up and allowed to stabilise until the steam ready indicator actuated. All trials surface challenge trials were commenced with an empty, sanitised debris bucket charged with either 100 mls of 10 % solution of Aqualin ECO F or dry but containing 4 X 20 gram Sodium dichloroisocyanurate tablets. Trials were conducted on challenged surfaces both with vacuum in operation.

For any one-test organism, a total of four contaminated surfaces were examined. Each surface was cleansed with the steam device according to the manufacturers instructions and each replicate was performed by the same operator. In practise the surface was treated until it was visually clean which on average accounted 60 seconds treatment under these conditions.

### Performance of the 4 Bar machines in the decontamination of challenged stainless steel surfaces by the application of steam and vacuum processing

Organism	Mean Challenge level cm <sup>2</sup>	Mean Survivor level cm <sup>2</sup>	Log Removal	% Removal
Clostridium difficile ( Mixed vegetative/spore A B 02)	3.8E+08	2	8.3	>99.999
Clostridium difficile ( Spore Form 3 strains A B 02)	2.8E+08	3	8.0	>99.999
Acinetobacter Iwoffii	3.9E+08	2	8.4	>99.999
Mycobacterium gordonae	1.8E+08	1	8.3	>99.999
Aspergillus niger	2.2E+08	1	8.3	>99.999
S.aureus (MRSA )	2.5E+08	0	8.9	>99.999
Ecoli verotoxic 0157:H7	4.6E+08	2	8.3	>99.999
Group A Streptococci ( mixed species)	2.7E+08	1	8.3	>99.999
Bacillus cereus	2.2E+08	1	8.4	>99.999
Listeria monocytogenes	2.0E+08	0	8.6	>99.999
Salmonella seftenberg	2.3E+08	1	8.4	>99.999
Candida albicans	1.7E+08	1	8.4	>99.999
Pseudomonas aeruginosa	1.8E+08	0	9.1	>99.999

### Conclusions

In these trials both devices consistently achieved a visually clean post treatment surface with > 99.999 % removal of all challenge organisms under dirty conditions. All test data indicated that the antimicrobial treatments applied to the debris reservoir achieved satisfactory performance. On the basis of the results reported we are pleased to recommend both devices as candidates for floor cleaning solutions in both the medical and industrial environment.

D.O'Connor B.Sc. Cl.Biol.M.I.F.S.T.

# 4.5 BAR CERTIFICATE.....



**Matrix**  
Cleaning Systems

## Powerful, robust and multifunctional for commercial markets

- Stainless steel construction
- Continuous fill boiler (allowing refill at any time during operation)
- Integral vacuum system
- Non-marking castors

Removal of dirt, grime and grease is made simple with the SV8. With its 8 bar pressure boiler, cleaning times are reduced. Making this model the perfect steam cleaner for heavily soiled areas.



Matrix steam cleaners have been proven to clean post treatment surface with > 99.999 % removal of all challenged organisms

\* Microbiologist report available



# MATRIX SV8 – STEAM & VACUUM 8 BAR....





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Date 06 06 2008

Steam Clean (UK) Ltd T/a Matrix Cleaning Systems

## Certificate of Analysis Matrix 8 Bar

### Form of Use of the Matrix Steam Cleaning devices

In all trials the machine under evaluation was charged with tap water. The device was powered up and allowed to stabilise until the steam ready indicator actuated. All trials surface challenge trials were commenced with an empty, sanitised debris bucket charged with either 100 mls of 10 % solution of Aqualin ECO F or dry but containing 4 X 20 gram Sodium dichloroisocyanurate tablets. Trials were conducted on challenged surfaces both with vacuum in operation.

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### Performance of the 8 Bar Machines in the decontamination of challenged stainless steel surfaces by the application of steam and vacuum processing

Organism	Mean Challenge level cm <sup>2</sup>	Mean Survivor level cm <sup>2</sup>	Log Removal	% Removal
Clostridium difficile ( Mixed vegetative/spore A B 02)	2.3E+08	0	8.7	>99.999
Clostridium difficile ( Spore Form 3 strains A B 02)	4.1E+08	2	8.2	>99.999
Acinetobacter lwoffii	3.2E+08	2	8.3	>99.999
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S.aureus (MRSA )	4.7E+08	1	8.8	>99.999
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# 8 BAR CERTIFICATE.....



## *SUSTAINABLE CLEANING.....*

The global steam cleaner market is expected to grow considerably over the coming years, the awareness of the need to decrease usage of harmful chemicals and their presence in waste water is seen as a major factor for the growth of the global steam cleaner market.

**Sustainable cleaning** refers to **cleaning** habits and methods that individuals can continue to use indefinitely, without worry that their efforts will negatively affect their own health or that of the environment. In other words, a maintainable cleaning routine that is good for you and the environment.

Some of the main factors that are likely to contribute to the growth of the steam cleaner market during the forecast period:

- Improving hygiene standards
- Increasing demand from hospitality and leisure industry
- Growing demand towards sustainable and green cleaning technology
- Multifunctional use for daily and deep cleaning in fast food restaurants

The increasing use of steam cleaning for floors, tiles, washrooms, kitchens and food preparation areas, as well as transport deep cleaning is driving the demand for equipment that is easy to transport and removes tough stains from all synthetic fabrics and hard surfaces, while deep cleaning and sanitising the surfaces and chemical free.

LET'S WORK TOGETHER  
AND MAKE A DIFFERENCE!