leader in dry steam technology
commitment to sustainability

saturated dry steam is a completely green technology
Comparing cleaning methods

Only three stages required by dry steam instead of 6 by traditional method

<table>
<thead>
<tr>
<th>Traditional</th>
<th>Saturated dry steam</th>
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</thead>
<tbody>
<tr>
<td>1. Physical removal of solid dirt</td>
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</tr>
<tr>
<td>2. Pre-wash</td>
<td>2. Clean only with steam or steam/water/detergent</td>
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<tr>
<td>3. Clean/wash</td>
<td>3. Dry by removal or absorption</td>
</tr>
<tr>
<td>4. Rinse</td>
<td></td>
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<tr>
<td>5. Dry</td>
<td></td>
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<tr>
<td>6. Disinfection</td>
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</table>
1. thermal shock

pathogenic agents are not resistant to the thermal shock of vapor cleaning
steam cleaning winning features

2. ideal for complex surfaces

efficient sanitizing of areas that are difficult to reach by traditional methods
3. cleaning electric HMI

limited presence of micro drops of water and rapid drying of the surface by means of heat
4. no surface damage

steam is **not abrasive** and therefore it is suitable for delicate surfaces
steam cleaning winning features

5. save water

Water consumption of traditional pressure washer system anywhere from 600 to 2,000 l/h

Water consumption of Menikini 10 kW steam generator about 10 l/h
6. Environmentally Friendly

Detergent use is required in **only 20% of the cases** versus the 100% requirement of the traditional method.
steam cleaning winning features

7. chemical free

no ground water contamination while reducing waste and pollution
each machine is subjected to rigorous quality controls, according to the parameters specified by the European standards
HACCP fight risks of food safety hazards

the efficiency of steam has been demonstrated by studies commissioned at independent laboratories.

Industrial sanitizing with ecological dry steam
HACCP fight risks of food safety hazards

from the handbook

for a correct sanitary routine with reference to restaurants
edited by “Federazione Italiana pubblici esercizi”
(Italian Federation of public businesses)

“
...pressured Dry Steam with temperatures between 140° - 185° C represents the most ecological and modern method to attack dirty surfaces.

Pressure, associated with heat action, plays an efficient cleansing and sanitizing action...

”
steam benefits

- cut labour costs (30% of manpower)
- reduce water consumption (80% of water)
- reduce system and line down time
- reduce toxic waste
- improve quality inspection
- easy and safe to use
steam benefits

social

• improve health, safety and overall appearance of facility
• reduce exposure to chemicals
• prevent handling of potentially harmful substances by employees
• eliminate unpleasant odours
• improve indoor air quality
• reduce dirt and dust particles in the air
• reduce risk of accidents
steam benefits

environmental

• conserve water while reducing waste and pollution
• maintain an environmentally neutral workplace
• reduce chemical disposal
• prevent ground water contamination
• minimize chemical packaging
• reduce amount of waste products in landfills
steam applications

food & beverage

- food industry
- catering
- beverage
- winery

the infinite opportunities
food industry

sanitizing with steam

storage and packaging of foodstuffs, bakeries, pasta factories and shops, dairies, groceries, butchers, meat processing plants, fish markets, ice cream shops

- cleaning and degreasing of workbenches, walls and ceilings
- chemical free killing of listeria in drains and pipes
- cleaning and maintenance of ventilation ducts
- removing food residues
- removing grease from control panels and electrical boards
- sanitizing filters and grilles
- thorough cleaning of conveyors, chains, belts, rollers and packings
- sanitizing of refrigeration systems without removing food
thorough cleaning without detergents

- sanitizing of refrigerators
- cleaning of all kind of machinery: dish-washers, braziers, microwave ovens, drinks distributors, ice-cream dispensers and frying tops
- deep cleaning of sinks, tanks and all washable walls
- removing grease and deposits
- cleaning equipment and ventilation ducts
- elimination of odours, germs and parasites
- cleaning of floors, tops and windows
hygiene, a value added

bottling lines for wine, breweries, oil and milk production, packaging of soft drinks and fruit juices

- sanitizing and cleaning of bottling lines and nozzles
- removal of moulds and bacteria
- cleaning of conveyor belts, chains, belts, rollers and packings
- removal of deposits
- polishing of chrome-plate surfaces
- machinery cleaning
- floor sanitizing
protect the taste

wine cellars and wine factories

- barrique regeneration
- removal of deposits
- sanitizing of steel tanks
- sanitizing of filters
- cleaning of glass, sanitary fittings and floors
- elimination of mould, bacteria and parasites
- leaving a neutral pH on surfaces treated
- cleaning of decantation pipes, fittings, machines, polished chromed surfaces
steam applications

hospitality, community & health care

- hospitality
- buildings cleaning
- spa & sport
- education & community
- health care

the infinite opportunities
elimination of mites and odours

hotels, conference centers, holiday farms, apartment hotels, resorts, boarding houses, tourist villages, youth hostels

- sanitizing of tiles and majolica
- cleaning of parquet and wood strips
- removal of stains and odors from pile carpets, coverings and seats
- removal of rubber from coverings and floors
- sanitizing of bathrooms
- polishing of chromed pipes and surfaces
- cleaning of lifts, ventilation ducts, windows, mirrors, parquet
- cleaning and disinfecting of food processing areas
spa & sport

the beauty of cleaning

turkish baths, beauty farms, saunas, fitness centers, gyms, swimming pools, bowling

• elimination of viruses, bacteria and fungi
• sanitizing of contact surfaces
• cleaning of glass, mirrors and parquet
• sanitizing of saunas and Turkish baths, hydromassages, wellbeing and massage parlours
• sanitizing of swimming pool edges, showers and changing rooms
• cleaning parquet in sport centers
education & community

fitness and hygiene

nurseries, schools, gymnasiums, universities, theatres, cinemas

- sanitizing of bathrooms
- cleaning and maintenance of ventilation ducts
- sanitizing of plastic-chromed equipment
- sanitizing of filters and grilles
- removal of stains and odours from pile carpets, coverings and seats
- elimination of viruses, bacteria and fungi
health care

wellbeing first of all

hospitals, medical centers, dentistry offices, test laboratories, veterinary surgeries

• ambulatories sanitizing
• operating tables sanitizing
• sanitizing medical cabinets
• medical and orthopaedic equipment cleaning
• sanitizing mattresses, pillows and bed lines
• deep cleaning of floors and waiting rooms
• litters and rolling chairs sanitizing
steam applications

industry

- pharmaceuticals
- cosmetics
- industry
- transportation
- car wash

the infinite opportunities
industry

toxic waste never more

mechanical and electromechanical workshops, industrial environments in general, electronic laboratories

- removal of greasy residues
- cleaning of motors and crankcases
- sanitizing of filters and ventilation grilles
- cleaning of electric boards
- cleaning of mechanical parts, alloy rims, filters and grilles
- cleaning of floors
- cleaning of heat exchangers and air-conditioners
- cleaning transmission systems and oil sumps
- removal of grease and encrustation from fixed structures and scales
effective against parasites

- elimination of smells
- upholstery dry in few minutes
- cleaning points hard to reach
- engines and undercarriage cleaning
- cleaning of transmission systems and oil sumps
- cleaning of windows without leaving streaks
- vortex action with the patented Twister turbo lance

transportation

garages, ports, stockyards firms specialized in cleaning ships, planes, trains and buses, transportation of foodstuffs, fish and animals

platform cleaning upholstery cleaning mechanical parts door steps first-after ideal for buses fight parasites
car wash

green steam power

car washes & detail shops, auto dealerships fleet companies, rent a car companies, gas stations, car service centers

- cleaning of dashboard, windows, upholstery and carpets
- deodorizing and sterilizing at the same time without chemicals
- sanitizing car interior by killing of germs and mites
- upholstery and carpets are dry and ready to use in a few seconds
- easy cleaning of nooks and parts, which are almost impossible to reach
- cleaning of engines and undercarriages
- brighter shining polish
- ideal for a large range of vehicles
cosmetics

deep cleaning without water

manufacturers of cosmetics, beauty, hygiene and body cleaning products, soap factories

- cleaning of production lines and bottling plants
- remove deposits from conveyor belts and gears
- elimination of process waste
- sanitization of laboratories
- cleaning of proportioning devices

walkways cleaning  encrustations  mixer cleaning  tile cleaning  machinery cleaning  no water consumption

industrial sanitizing with ecological dry steam
the right product for your needs

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industrial sanitizing
with ecological dry steam