

**lavamac**

your laundry solution



  
**SoftWash**<sup>®</sup>

**Wet cleaning concept**

[www.lavamac.eu](http://www.lavamac.eu)

Wet cleaning

Protect your  
environment



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# Lavamac SoftWash® Solution of cleaning delicate textiles

All over the world environmental standards are increasingly stringent as more and more people become environmentally conscious. This tendency is also applicable in the laundry and dry cleaning business.

„SoftWash“ allows Lavamac to exploit this trend.

„SoftWash“ is a tailor made package that allows cleaning of even the most delicate linen. This creates new possibilities in a market segments such as dry cleaning, nursing homes, emergency services, ets.



SUITS



WEDDING  
DRESSES



STAFF  
UNIFORMS



FIREFIGHTERS'  
UNIFORMS



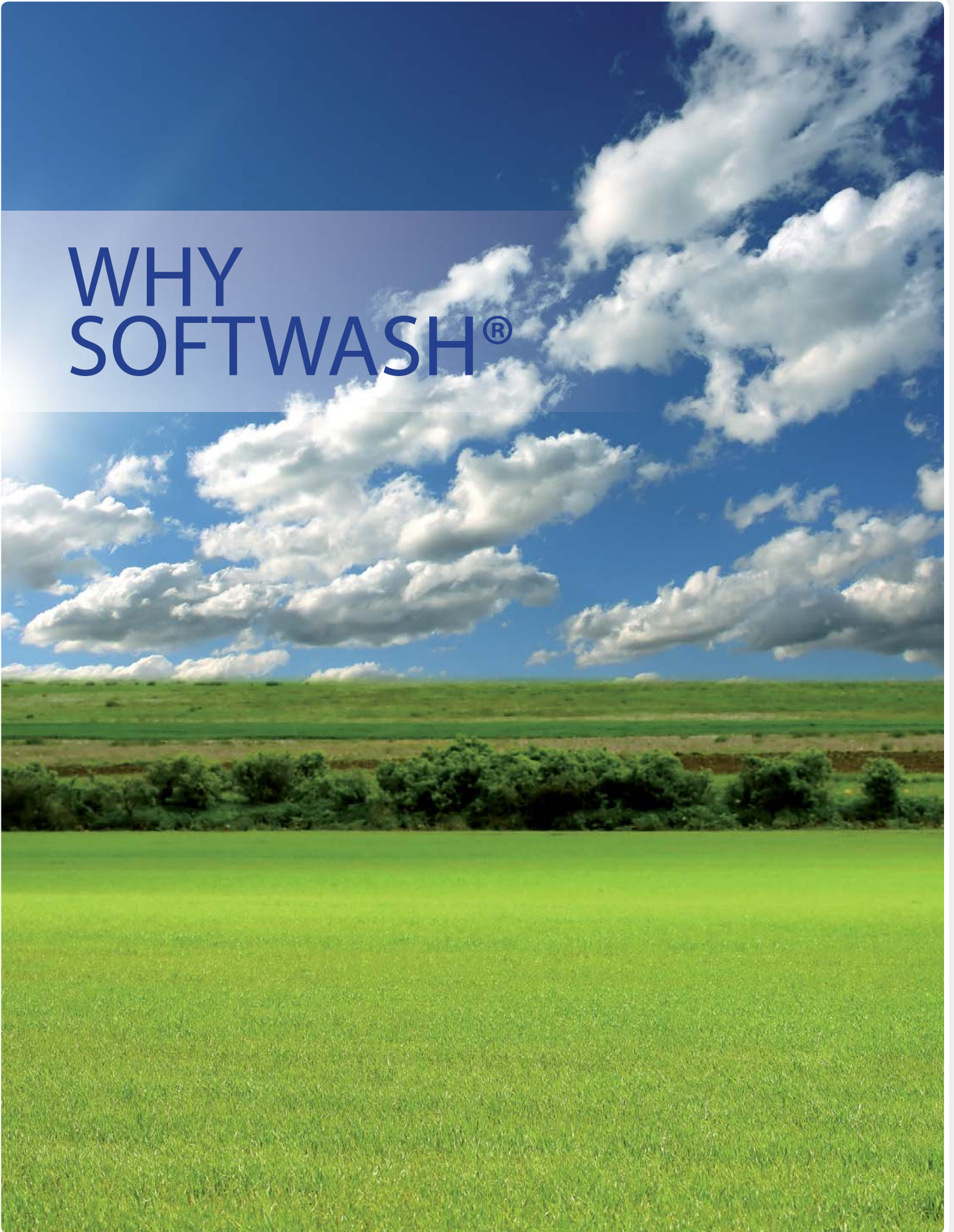
MILITARY  
UNIFORMS

AND MANY MORE....

LEATHER PRODUCTS,  
TENTS, SKIING OUTFITS...

Wet cleaning

# WHY SOFTWASH®

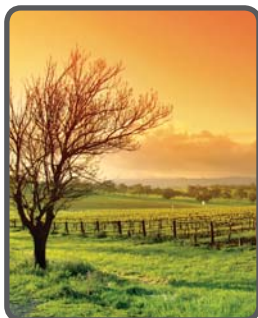


# Why lavamac Softwash®



## NEW BUSINESS

- Increased productivity
- New environmental trends
- New types of customers (fire departments, wedding studios, the military, hotels)
- Alternative to traditional solvents



## ENVIRONMENT FRIENDLY

- No limits by legislation (Traditional restrictions for solvents in many countries – New waste water regulations in Germany, New emission rules in Holland, Solvent tax in Norway)
- No health risk for customers and operators
- Non-flammable



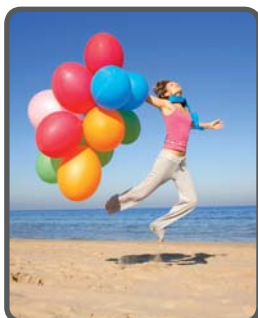
## FRESH SCENTED LAUNDRY

- No unpleasant solvent smell anymore!
- Higher customer satisfaction
- No dry spots



## LOW COST

- Low investment costs (50 % lower than traditional dry-cleaning equipment)
- Easy installation and simple maintenance
- No distillation cost
- No return of hazardous waste



## FLEXIBILITY

- You can wet clean and do regular laundry in the same equipment
- Wide softwashed variability of garments that can be wet cleaned:
  - Regular laundry items
  - Wool- easy to clean, must be dried with care
  - Silk – easy to clean, preserves colours
  - Synthetics – microfibre and other synthetics without problem
  - Goretex, Sympatex – can be cleaned without damaging the membrane, better waterproofing
  - Leather and Suede – 90 % can be wet cleaned, easy to finish
  - Fire proofing
  - Results depend on the textiles used, solvents and the experience of the operator

Wet cleaning

# WASHING EQUIPMENT FOR SOFTWASH®

## Washer-Extractors



LH 95



LH 130



LH 165



LH 230



LH 335



LH 400



LH 550

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# Washing Equipment for SoftWash®

## FEATURES

- The cabinet is made of premium quality stainless steel AISI 304 (also side panels)
- The large drain valve (Ø 75 mm) ensures fast draining and a shorter cycle time
- The LH 165 has an exceptionally large door opening of 42 cm for easy loading and unloading
- Frequency controlled motor together with microprocessor control gives a perfect washing results, smooth operation and a longer lifespan
- The stainless steel soap dispenser consist of 5 removable compartments
- Soap is added to the washing water at the bottom of the tub at the most suitable time during the washing cycle, thus avoiding direct contact with the linen and potential chemical damage
- Water for the cool-down process is added in the same way. Using this method, „thermal shock“, the main cause of shrinking, is avoided
- Machines can be provided with soap pumps (up to 8 connections)
- The LH-models are equipped with a frequency controlled engine as standard and a free programmable microprocessor. Moreover, it brings a perfect washing result, smooth operation and a longer lifespan, for both linen and machine.
- Two large industrial ball bearings, protected by three consecutive seals against leakage, guarantee a long life span.



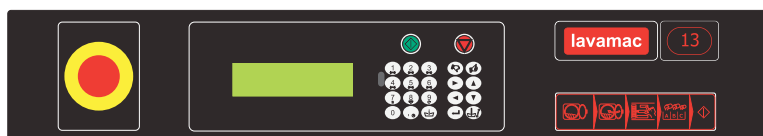
**POWERWASH®**

**liqui-mix®**

## FC MICROPROCESSOR

- Fully programmable microprocessor that meets the most complex requirements
- Very easy to use – two-line display in your own language
- Very easy to programme – just by answering questions that appear on the display of the microprocessor
- Self-diagnosis system

Can be laptop programmed, can be connected to a network



**Graphitronic®**

**TRACE-TECH®**

Wet cleaning

# DRYING EQUIPMENT FOR SOFTWASH®

## Tumble dryers



LS195



LS250



LS300



LS350



LS530



LS680

# Drying Equipment for SoftWash®

## FEATURES

### RADAX airflow®

Optimized heat transfer through a combination of axial and radial airflow (LS250, LS300, LS350)  
– faster drying cycles, lower energy consumption.

- Big door opening for easy loading and unloading of linen (42 % bigger then comparable models).
- Stainless steel drum

### SENSO-DRY®

Optionally, the dryers can be provided with a Humidity control system (Senso-Dry®), which makes them an ideal combination with the Lavamac Softwash technology (Wet cleaning) or special clothing treatment (fire brigades, etc.)

- Reversing drum available on all models as an option
- Large lintfilter
- Big lintfilter door for easy access
- Two independent motors



### FULL CONTROL TIMER

- Freely programmable microprocessor that meets the most complex requirements: drying time, temperature, cooldown time, humidity control, reverse
- Two-line display, multilingual, shows the process of the programme



# PROCESS OF SOFTWASH®



Developed in corporation with wet cleaning chemical suppliers



**SORTING**  
»»



**SPOTTING**  
»»



**WET CLEANING  
– WASHING**  
»»









**DRYING**  
»»



**FINISHING**








The wash drum shows that the linen can be washed in water.

-  60 refers to water temperature
-  Soft mechanical action
-  Reduced mechanical action
- 
-  Linen that needs to be dry-cleaned
-  Linen that can be wet cleaned

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# Capacities of SoftWash® Sets

	<b>SoftWash® (Wetcleaning)</b> Filling factor 1:20 Slow drum movements Low water level Low temperature	<b>Regular Laundry</b> Filling factor 1:10 Fast drum movements High water level High temperature
<b>Washer LH95 + Dryer LS250</b> 	5 kg per load (30 min) 10 kg per hour 80 kg per day	10 kg per load (60 min) 10 kg per hour 80 kg per day
<b>Washer LH130 + Dryer LS300</b> 	6,5 kg per load (30 min) 13 kg per hour 104 kg per day	13 kg per load (60 min) 13 kg per hour 104 kg per day
<b>Washer LH165 + Dryer LS350</b> 	8 kg per load (30 min) 16 kg per hour 128 kg per day	16 kg per load (60 min) 16 kg per hour 128 kg per day
<b>Washer LH230 + Dryer LS530</b> 	11 kg per load (30 min) 22 kg per hour 176 kg per day	22 kg per load (60 min) 22 kg per hour 176 kg per day
<b>Washer LH335 + Dryer LS680</b> 	16,5 kg per load (30 min) 33 kg per hour 264 kg per day	33 kg per load (60 min) 33 kg per hour 264 kg per day
<b>Washer LH400 + Dryer LS680</b> 	20 kg per load (30 min) 40 kg per hour 320 kg per day	40 kg per load (60 min) 40 kg per hour 320 kg per day
<b>Washer LH550 + Dryer LS680</b> 	27,5 kg per load (30 min) 55 kg per hour 440 kg per day	55 kg per load (60 min) 55 kg pre hour 440 kg per day

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