100% MADE IN OMI

100% MADE IN ITALY

OMI

washing machinery

ENG

Save the Planet with

OMI

washing machinery

OMI washing machinery

Washing Machines

Dyeing Machines

Colour kitchens

The Company

The Company

OMI washing machinery

Dryers

Nebulizer machine

Dry process

100% MADE IN OMI

100% MADE IN OMI

100% MADE IN ITALY

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ITALIAN COMPANY

OMI help you to improve quality, reduce costs, increase responsiveness, and improve time-to-market throughout your supply chain.

FOCUS ON QUALITY

OMI insist on the highest quality ever. Quality is crucial and is ingrained across all functions.

WORLDWIDE TECHNICAL SERVICE SUPPORT AND TRAINING

OMI offer production support to customers and a worldwide professional technical service. Training session on customer's site and in OMI's headquarter.

FULLY INTEGRATED AUTOMATION COMPANY WITH INNOVATION AT ITS CORE

Since 1987, the year when OMI's founding Mr. Mariano Pastrello create the first hi-tech industrial washing machine for one of the worldwide biggest textile company, OMI is an ideal partner for those looking for solutions with flexibility and customisability.

HIGH QUALITY AND SUSTAINABILITY

MANIFACTURE

OMI manufacture "traditional" front load machines and fully automatic lines structured with linear transport systems, as well as complete robotic systems, Eco machine for innovative productions, last generation laser systems.

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OMIWash

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OMI Wash

INJECTION CROSSING DYEING

OMI washing machinery

INJECTION CROSSING DYEING

PATENTED

LSCO 360 TSM High Speed

Industrial high speed dyeing machine,with special bath injection with variable pressure.

Wool or similar garments	Normal Dyeing	Resisting dyeing	Injection crossing dyeing
Speed: **1 rpm** with two combined systems. Saving time.	Speed: **8/12 rpm** with bath exchange system.	Speed: **8/12 rpm** with two combined systems.	Speed: **until 50 rpm** with two combined systems. Reduction of the liquor ratio.

Special Dyeing Machine, patented by OMI. Various models with different loading capacities: from 40 to 200 kg. Two-compartments drum for a perfect dyeing infiltration through injection. It is suitable for any kind of fabric, specially for the most delicate ones like cachemire, mohair, wool, flax, cotton and mixed, viscose and microfiber.

The machine works with two combined and independent systems:

- A fast bath exchange unit with indirect heating and separated cooling system perform the bath re-cyrculation.
- A pressured jet system for the bath injection, push the colored bath directly on garments. A motor-driven pump with variable pressure, vacum the bath from the machine, filters it, and injects it with adjustable pressure through 500 nozzles installed on the shaft and uniformly distributed throughout the entire length of the machine drum. The radial injection starts from the centre (throughout the entire length) and is pushed towards the external side of the drum, creating a vortex that ensure a fast and high dyeing penetration on garments.

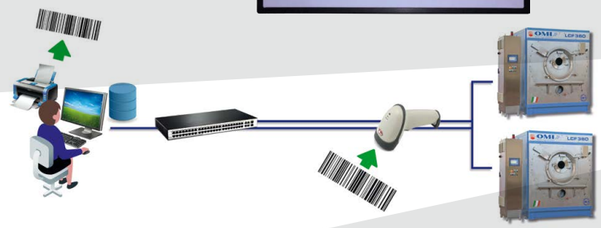
SUPERVISOR

SYSTEMS

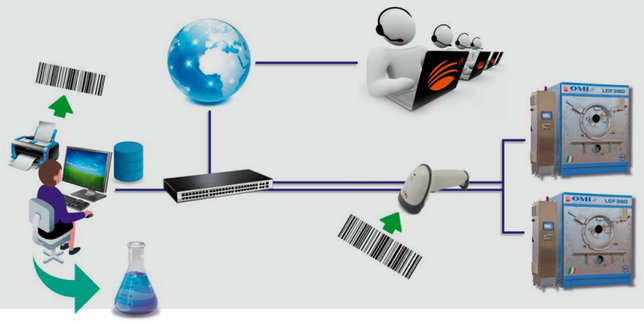
CONTROL SYSTEMS

SYSTEM “ENTRY FOR SINGLE MACHINES”

New generation touch screen installed on the machine’s control panel. Centralized recipes editing, transmission and launch.



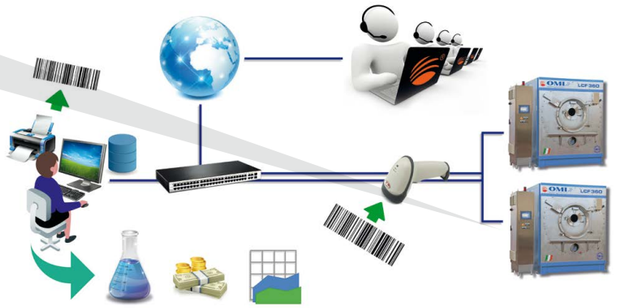
SYSTEM “LIGHT FOR SINGLE MACHINES”



Production Statistics.
Integrated management system for automatic dosing of chemicals.Remote control and assistance

SYSTEM “FULL SINGLE MACHINES”

Cost and consumptions monitor.
Production schedule..



Washing Machines

Washing Machines for Sampling

LCF 16

Laboratory washing machine for sampling with variable speed.

Loading capacity (1:30) : 5 Kg
Rotation Speed : 300 rpm
Drum Volume : 160 lt
Drum Diameter : 700 mm
Drum Lenght : 420 mm
Width : 1022 mm
Depth : 1160 mm
Height : 1510 mm

LCF 30

Laboratory washing machine for sampling with variable speed.

kg 10 : Loading capacity (1:30)
rpm 300 : Rotation Speed
lt 300 : Drum Volume
mm 900 : Drum Diameter
mm 420 : Drum Lenght
mm 1450 : Width
mm 1300 : Depth
mm 1400 : Height

Washing Machines for Small Production

LCF 60

Laboratory washing machine for sampling and small production with variable speed.

kg 20 : Loading capacity (1:30)
rpm 200 : Rotation Speed
lt 600 : Drum Volume
mm 1000 : Drum Diameter
mm 760 : Drum Lenght
mm 1200 : Width
mm 1600 : Depth
mm 1810 : Height

LCF 90

Washing machine for small productions with variable speed.

Loading capacity (1:30) : 30 Kg
Rotation Speed : 200 rpm
Drum Volume : 900 lt
Drum Diameter : 1100 mm
Drum Lenght : 965 mm
Width : 2000 mm
Depth : 1890 mm
Height : 1870 mm

Washing Machines for Medium Production

LCF 120

Washing machine for medium productions with variable speed.

Loading capacity (1:30) : 40 Kg
Rotation Speed : 200 rpm
Drum Volume : 1200 lt
Drum Diameter : 1300 mm
Drum Lenght : 950 mm
Width : 2000 mm
Depth : 1850 mm
Height : 2000 mm

LCF 200

Washing machine for medium productions with variable speed.

kg 65 : Loading capacity (1:30)
rpm 200 : Rotation Speed
lt 2000 : Drum Volume
mm 1500 : Drum Diameter
mm 1160 : Drum Lenght
mm 2100 : Width
mm 2440 : Depth
mm 2400 : Height

Washing Machines for Big Production

LCF 420

Washing machine for big productions with variable speed.
Complete with frontal tilting system for an easy unloading.

kg 120 : Loading capacity (1:35)
rpm 110 : Rotation Speed
lt 4200 : Drum Volume
mm 1800 : Drum Diameter
mm 1700 : Drum Lenght
mm 2080 : Width
mm 3180 : Depth
mm 2525 : Height

LCF 520

Washing machine for big productions with variable speed.
Complete with frontal tilting system for an easy unloading.

Loading capacity (1:35) : 150 Kg
Rotation Speed : 110 rpm
Drum Volume : 5200 lt
Drum Diameter : 1800 mm
Drum Lenght : 2050 mm
Width : 2080 mm
Depth : 3530 mm
Height : 2525 mm

High Speed Washing Machines

LSCF 180 High Speed

High speed self balancing washing machine, with variable speed. Front and rear tilting system for an easy loading and unloading.

kg 60 : Loading capacity (1:30)
rpm 600 : Rotation Speed
lt 1800 : Drum Volume
mm 1500 : Drum Diameter
mm 1000 : Drum Lenght
mm 2104 : Width
mm 2390 : Depth
mm 2255 : Height

LSCF 360 High Speed

High speed self balancing washing machine, with variable speed. Front and rear tilting system for an easy loading and unloading.

120 Kg : Loading capacity (1:30)
500 rpm : Rotation Speed
lt 360 : Drum Volume
mm 1790 : Drum Diameter
mm 1450 : Drum Lenght
mm 2446 : Width
mm 3230 : Depth
mm 2530 : Height

High Speed Washing Machines

LSCF 420 High Speed

High speed self balancing washing machine, with variable speed. Front and rear tilting system for an easy loading and unloading.

Loading capacity (1:30) : 150 Kg
Rotation Speed : 500 rpm
Drum Volume : 4200 lt
Drum Diameter : 1790 mm
Drum Lenght : 1700 mm
Width : 2446 mm
Depth : 3580 mm
Height : 2530 mm

Dyeing

Dyeing Technology

LCF 30 T

Laboratory dyeing machine for sampling with variable speed.

kg 10 : Loading capacity (1:30)
rpm 300 : Rotation Speed
lt 300 : Drum Volume
mm 900 : Drum Diameter
mm 420 : Drum Lenght
mm 1450 : Width
mm 1300 : Depth
mm 1400 : Height

LCF 90 T

Dyeing machine for small productions with variable speed.

Loading capacity (1:30) : 30 Kg
Rotation Speed : 200 rpm
Drum Volume : 900 lt
Drum Diameter : 1100 mm
Drum Lenght : 965 mm
Width : 2000 mm
Depth : 1890 mm
Height : 1870 mm

OMI washing machinery

Dyeing Technology

LCF 420 T

Dyeing machine with variable speed. Special drums suited for dyeing, complete with tilting system for an easy unloading .

Loading capacity (1:26) : 160 kg
Rotation Speed : 110 rpm
Drum Volume : 4200 lt
Drum Diameter : 1800 mm
Drum Lenght :1700 mm
Width :2080 mm
Depth :3180 mm
Height : 2525 mm

LSCF 360 T High Speed

High speed self balancing dyeing machine, with variable speed. Special drum suited for dyeing, complete with double tilting system for an easy loading and unloading.

Kg 140 : Loading capacity (1:26)
rpm 500 : Rotation Speed
lt 3600 : Drum Volume
mm 1790 : Drum Diameter
mm 1450 : Drum Lenght
mm 2450 : Width
mm 3230 : Depth
mm 2530 : Height

OMI washing machinery

Dyeing Technology

Horizontal dyeing machines

Horizontal machines for dyeing, with manual loading and unloading.

LCO 13 T

Small size horizontal dyeing machine. Open drum type.

Loading capacity:	*5 Kg*
Rotation speed:	*240 rpm*
Drum Volume:	*130 lt*
Drum Diameter:	*700 mm*
Drum Depth:	*350 mm*
Width:	*950 mm*
Depth:	*1650 mm*
Height:	*1400 mm*

LCO 50 T

Horizontal dyeing machine for sampling and small collections. Drum divided in 2 compartments.

Loading capacity:	*20 Kg*
Rotation speed:	*100 rpm*
Drum Volume:	*500 lt*
Drum Diameter:	*1000 mm*
Drum Depth:	*650 mm*
Width:	*1460 mm*
Depth:	*1290 mm*
Height:	*1700 mm*

Dyeing Technology

LCO 120 T

Horizontal dyeing machine for small production or collections. Drum divided in 2 compartments.

Loading capacity:	*50 Kg*
Rotation speed:	*160 rpm*
Drum Volume:	*1200 lt*
Drum Diameter:	*1300 mm*
Drum Depth:	*900 mm*
Width:	*1780 mm*
Depth:	*1560 mm*
Height:	*1950 mm*

LCO 200 T

Horizontal dyeing machine for medium production. Drum divided in 2 compartments.

Loading capacity:	*70 Kg*
Rotation speed:	*120 rpm*
Drum Volume:	*2000 lt*
Drum Diameter:	*2000 mm*
Drum Depth:	*1300 mm*
Width:	*2375 mm*
Depth:	*1560 mm*
Height:	*1950 mm*

Dyeing Technology

High speed horizontal dyeing machines

High speed and self-balancing machines for dyeing, with manual loading and unloading. Drum divided in 2 compartments.

	LSCO 260 TM	LSCO 360 TM
Loading capacity:	*115 Kg*	*160 Kg*
Rotation speed:	*600 rpm*	*550 rpm*
Drum Volume:	*2600 lt*	*3600 lt*
Drum Diameter:	*1500 mm*	*1800 mm*
Drum Depth:	*1450 mm*	*1400 mm*
Width:	*3040 mm*	*3060 mm*
Depth:	*1940 mm*	*2270 mm*
Height:	*3000 mm*	*3100 mm*

LSCO 720 TM High Speed

Big size high speed and self-balancing machine for dyeing, with manual loading and unloading. Drum divided in 4 compartments.

Loading capacity:	*320 Kg*
Rotation speed:	*500 rpm*
Drum Volume:	*7000 lt*
Drum Diameter:	*1800 mm*
Drum Depth:	*2800 mm*
Width:	*4586 mm*
Depth:	*2270 mm*
Height:	*3060 mm*

Dyeing Technology

Dyeing units (colour kitchen)

Dyeing units used to mix the colours, warm-up the water and make a bath recirculation in the dyeing machines. For a perfect result and a high quality dyeing.

SC-P3-V2R-C1-B1

Standard colour kitchen suitable for any kind of dyeing machines, perfect size for 3600 lt and 4200 lt drum volume. Features:

- Re-circulation pump
- Steam heat exchanger for heating
- Cooling system
- Liter-counter
- 170 lt capacity tank with mixer and heating system.
- Additional 40 lt capacity tank
- Condensation drain
- Suction filter with removable cartridge

SC-P4-V2-R1-C1-S1-B1

Big size colour kitchen for machines with more than 6000 lt drum volume. Features:

- Re-circulation pump
- Double Steam heat exchanger for heating
- Cooling system
- Liter-counter
- 270 lt capacity tank with mixer and heating system.
- 270 lt capacity tank for SALT
- Additional 60 lt capacity tank
- Condensation drains
- Suction filter with removable cartridge


ECOFOG

ECO FOG TECHNOLOGY FOR A GREEN FUTURE

ECOFOG TECHNOLOGY FOR A GREEN FUTURE

NO STONES

NO STEAM

NO WATER

SAVE TIME

APPLICATIONS

- *Stone wash effects with enzyme (only 1:1 liquor ratio)*
- *Resins for 3D effects and before dyeing treatments*
- *Wrinkle-free treatments*
- *Waterproof finishing with or without silicones*
- *Softening process (liquor ratio 1: 0,75)*
- *Perfume: fragrances applications*
- *Nanotech products application*

ADVANTAGES

- *Drastic reduction of water consumption*
- *Reduction of steam consumption*
- *Reduce 100% of use of stones, with all the logistics and waste disposal costs.*
- *Time reduction having same results compared to traditional methods.*

ECO SAVING

Low power consumption components.
Less of 100 Watts at maximum power.

AUTOMATIC SELF CLEANING PROGRAMS

OMI ECOFOG has a self washing system included in the terminal's software, just press the cleaning keys and all the system, or only part of it, will be cleaned and ready for another process just in few seconds.
EcoFog has different types of cleaning cycles, like the neutralization one or the after-resin one.
All the tanks and electrovalve are made in stainless steel.

FUNCTIONS

In the ECOFOG technology the chemical products are nebulized in a controlled and homogeneus fog, the perfect ambient to transporting the properties of the product to the garment, saving most of the threatments costs.

ECO FOG TECHNOLOGY FOR A GREEN FUTURE

ADAPTABLE AND FLEXIBLE

ECOFOG can be applied to any brand of front loading washing machine, dyeing machine or dryer, no matter if new or old equipment. The special nozzle can be apply easily in the sampling port hole or in the main door in just few easy step. Complete with a powerful led light beam to look inside the machine drum.
2 versions available, ECOFOG S for sampling and ECOFOG P for heavy production, in order to satisfy all the customers requests.

4 VERSIONS AVAILABLE

ECOFOG S1: Nebulizer machine for sampling, it has one 35 lt capacity tank. Can work with one sampling machine.
ECOFOG S2: Nebulizer machine for sampling, it has two 35 lt capacity tanks. Can work with two sampling machines, at the same time and using different chemicals.
ECOFOG P1: Nebulizer machine for production, it has one 120 lt capacity tank. Can work with one production machine.
ECOFOG P2: Nebulizer machine for production, it has two 120 lt capacity tanks. Can work with two production machines, at the same time and using different chemicals.

ALL UNDER CONTROL

All the processes are controlled by a 8" touch screen computer with OMI software that keeps the operator constantly informed about all the processes, for example how many ml or liter of product are going to be introduced or how many ml or lt are already vaporized, check and manage the recipes, or the automatic self cleaning process,or settings.

CE CERTIFIED

ECOFOG UPGRADE YOUR WASHING MACHINES WITH THE LATEST TECHNOLOGY

OMI washing machinery

ECOFOG TECHNOLOGY FOR A GREEN FUTURE

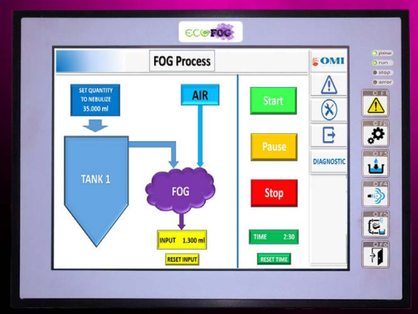
EcoTech by OMI

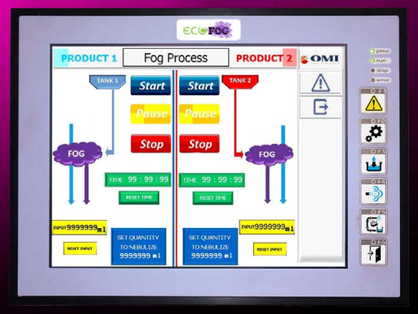
SAMPLING SIZE

PRODUCTION SIZE

TECHNICAL SPECIFICATION

ECOFOG S1	ECOFOG S2		ECOFOG P1	ECOFOG P2
35 lt	*35 lt + 35 lt*	*Tank capacity*	*120 lt*	*120 lt + 120 lt*
640 mm	*640 mm*	*Width*	*640 mm*	*640 mm*
1250 mm	*1250 mm*	*Depth*	*1250 mm*	*1250 mm*
1240 mm	*1240 mm*	*Height*	*1240 mm*	*1240 mm*
123 Kg	*155 Kg*	*Weight*	*130 Kg*	*170 Kg*
0,1 Kw	*0,1 Kw*	*Installed power*	*0,1 Kw*	*0,1 Kw*
6 bar	*6 bar*	*Pressured Air*	*6 bar*	*6 bar*





OMI washing machinery

OZONE SYSTEM

3

OZONE SYSTEM

OZONE SISTEM FOR DRY AND WET PROCESS

TECHNICAL DATA O3MI OZONE GENERATOR

Model :	O3MI DO100 O2	O3MI DO300 O2	O3MI DO500 O2	O3MI DO2000 O2
Capacity :	100 gr/hr	300 gr/hr	500 gr/hr	2000 gr/hr
Ozone production :	From Oxygen (%90 – 93)			
Oxygen generator :	Inbuilt oxygen generator			
Air :	10-11 m3/hr 6 bar	30- 33 m3/hr 6 bar	50-55 m3/hr 6 bar	200-220 m3/hr 6 bar
Internal working pressure :	1,1....1,7 bar			
Control :	Automatic/Manual			
Energy Consumption :	1,6 kW	4,8 kW	8.3 kW	32 kW
Tension :	230V 50/60Hz	230V 50/60Hz	230V 50/60Hz	380V 50/60Hz
Dimension :	600x650xh1500mm	1800x800xh2000mm	2200x800xh2000mm	3000x2000xh2000mm
Weight :	120 Kg	280 Kg	350 Kg	880 Kg
Cooling :	Water air cooling			

Omi system includes:

- A dynamic mixer that incorporates ozone under pressure into the water and a static mixer (this is a tube with internal propellers to create turbulence and promote the absorption of ozone in water to complete the ozone mixing phase).
- A dryer and cleaning system with automatic and periodic regeneration to prevent power lost due to the presence of humidity and dust.
- An advanced cooling system using water and air that avoids overheating of the system.
- An excess ozone destroyer.

OZONE SYSTEM

ADVANTAGES

Reduction of washing costs, lengthening of life andcolors of clothing.
Ozone also called “active oxygen” has the characteristic to work perfectly in cold water, has an effective hygienic power and acts on the surfactants in detergents.
With ozonated water the action of detergents is enhanced and therefore its use is considerably reduced (50-70% less) and in some washing cycles it can even be eliminated.

Reduction of washing times and water consumption
Rapid washing in cold water becomes effective with ozone system. It will be possible to obtain perfectly washed and sterilized garments in a short time (25% -30% compared to a conventional wash) and with a considerable reduction in water consumption.

Pollution reduction
Short washing cycles and an almost negligible amount of detergents reduce the environmental impact linked to the consumption of water and to the treatment of the same at the drain.

Reduction of the risk of allergies
Detergent and bleach residues can often cause allergic reactions to the skin. The ozone during the washing turns into “active oxygen” guaranteeing not only hygiene and cleaning but also a better oxygenation of the garments and the complete disintegration of the surfactants eventually present.

Reduction of drying times
Using ozonated water and reducing or even eliminating the use of detergents, the fibers of the garments will be perfectly rinsed and free from residues. Centrifugation will therefore allow more water to be removed from the fibers even at lower rpm, thus allowing faster drying of the fabrics and a reduction in energy costs.

OZONE SYSTEM

What is Ozone?

Ozone, allotropic form of oxygen, with a triatomic molecule is a powerful reagent that is well suited to solve the problems of water management of the third millennium.
The discovery of this gas is attributed to christian friedrich schönbein. He described the properties in his treatise (1840) attributing the name of ozone (from the greek ozein = scent / smell).
Because of its very short radioactive half-life, ozone must be produced on site and can not be transported.

7 GOOD REASONS TO USE OMI OZONE GENERATORS FOR INDUSTRIAL LAUNDRIES

1. Saving in water consumption
2. Saving in energy consumption
3. Reduction in the use of chemical agents
4. Improvement in laundry operations (eg lower temperature, less chemical agents, fewer rinsing cycles and watering down)
5. Greater cleaning potential
6. Reduction in damage to fabrics
7. Low environmental impact

OZONE SYSTEM

OMI OZONE GENERATOR “O3MI”

Omi has developed a series of ozone generators for which it is possible to combine a high level of quality with excellent performance, all in a safe way for the operator and for the environment.

Ozone in the omi system is produced using the corona effect on the oxygen produced by a generator of this gas inside the system.
The gaseous ozone consists of three oxygen atoms and is produced when the energy breaks a stable molecule (o2) into two unstable oxygen atoms (o1). These two oxygen atoms alone look for stable o2 molecules and combine with them to transform into ozone (o3).

OMI OZONE DESTRUCTOR O3K

The catalytic ozone depletion of omi is easy to install on new or existing ozone generators. Care must be taken when designing and dimensioning the destructor so as to make sure that the pressure loss and temperature do not increase too much.

The unit consists of:

- Catalytic reactor
- Preheater with controller
- Suction blower
- Demister unit

OZONE SYSTEM

THE POWER OF OZONE FOR INDUSTRIAL LAUNDRIES

Savings on hot water consumption

Normally the working temperature of the water in laundries varies from 50 to 75c. The use of ozone can potentially decrease this temperature to 30 or 35c and allow the use of cold water in the following water cycles. This is because ozone leads to the production of oxygen which increases the potential of detergents in cleaning allowing a reduction in temperature. Reducing hot water consumption results in cost savings and less damage to clothes.

Reduction of consumption of chemical agents

Detergents used in laundries are more effective than the normal dose when combined with ozone. This is because ozone allows greater penetration and cleaning effect of detergents:

- Ozone is a potential oxidizing and disinfecting agent, therefore it reduces the effect of the chlorine that damages the tissues.
- The presence of alkalis from detergents and bleaching residues in the cloth fibers increases the ph and therefore the use of chemicals to balance the ph is common. The use of ozone helps to maintain a neutral ph that reduces the use of these substances.
- Softeners are traditionally used to reduce static electricity. The use of ozone prevents the formation of static electricity, eliminating the need for fabric softeners. Furthermore, the amount of water needed to rinse the detergent is reduced as well as the need for treatment before draining. It creates less damage to clothes and can increase the life of the machines thanks to the reduced need for the use of strong chemical agents.

OZONE SYSTEM

Powerful disinfection

Almost all pathogens fear ozone. It is a pesticide that can easily control odors, kill viruses and eliminate any bacteria up to 99% in laundries. This is why the use of ozone in laundries is widespread in hospitals and laboratories.

More efficient laundry operations

Alte prestazioni e minore danno ai vestiti. L'utilizzo a secco taglia drasticamente l'uso di disperdente, e permette di riportare al bianco naturale tasche ed etichette in soli 3 minuti. Inoltre si possono ottenere effetti sbiancanti su denim e colorati senza l'uso di cloro.

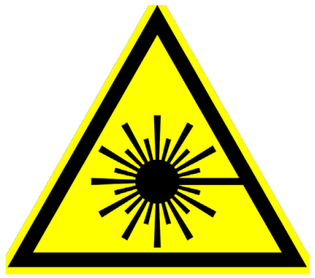
Low environmental impact and favorable working conditions

Improved quality of wastewater fed into the sewage system (eg less residual pathogens, ph stability, less residual chemicals) and reduced water and energy consumption (eg less rinse and cycles of drying) contribute to sustainable development.
Working conditions are less harsh and more sweating (eg, less high-temperature operations and less use of chemicals), so employees are more likely to feel more at home.

Omi ozone generators for industrial laundries

Omi offers ozone production systems that provide high performance for use in laundries.
The oxygen concentrator is the source of gas for ozone production. Ozone is produced in the generator by an electrical charge generated through dielectric ceramic plates.

LASER



LASER TECHNOLOGY

Laser is being used in apparel industry from nineteenth century for various garment manufacturing applications. There are several advantages of using laser over the conventional processes in cutting, engraving, embossing, denim fading and other applications:

Product damage potential is reduced, no/less consumables are needed and no problem of toxic by-product disposal as found in some processes.

OMI laser equipment is a result of continuous research and development of earlier products, which has undergone several changes. OMI laser systems are also more simpler in operation and maintenance.

The garment manufactures around the globe must take the advantage of laser application in the post multi-fibre agreement regime to make their products more competitive.

Laser-based denim fading
Now the age of fading of denim by sandblasting is becoming older as the new technology of laser fading is replacing it .

In OMI laser fading, a computer drives the laser beam to the material where marking or fading is required. The laser beam decomposes the dye and the resulting vapors are vented away. The material fades only where the beam impacts on the fabric. The desired degree of fading depends upon the wavelength, power density, and pulse width of the laser beam.

The method of marking or fading by OMI laser is more environmental friendly as compared to acid washing or sandblasting

LASER TECHNOLOGY

OMI 4U Laser recipe:

+ Ultra fast
+ Ultra powerful
+ Ultra clean
+ Ultra flexible
= More production

Hydroextractors

Hydroextractors

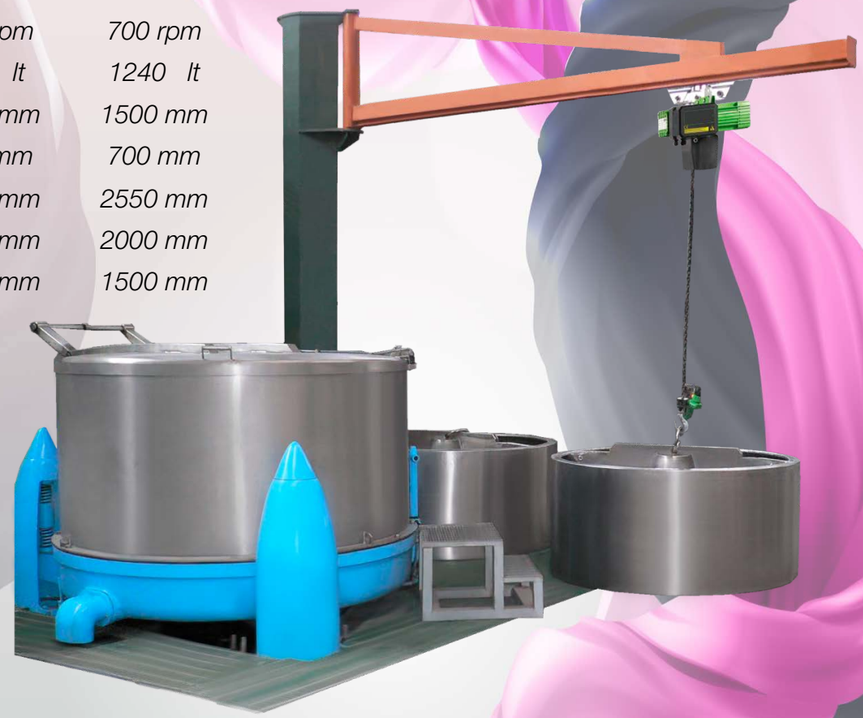
	IDRO 400	IDRO 450
Loading capacity:	8 Kg	12 Kg
Rotation speed:	1450 rpm	1450 rpm
Drum Volume:	34 lt	42 lt
Drum Diameter:	400 mm	450 mm
Drum Depth:	300 mm	350 mm
Width:	540 mm	610 mm
Depth:	750 mm	800 mm
Height:	800 mm	1000 mm

	IDRO 635	IDRO 730
Loading capacity:	20 Kg	30 Kg
Rotation speed:	1450 rpm	1000 rpm
Drum Volume:	95 lt	120 lt
Drum Diameter:	635 mm	730 mm
Drum Depth:	350 mm	350 mm
Width:	830 mm	980 mm
Depth:	990 mm	1150 mm
Height:	1000 mm	1050 mm

OMI washing machinery

Hydroextractors

	IDRO 900	IDRO 1100
Loading capacity:	57 Kg	85 Kg
Rotation speed:	1100 rpm	1050 rpm
Drum Volume:	320 lt	480 lt
Drum Diameter:	900 mm	1100 mm
Drum Depth:	495 mm	500 mm
Width:	1350 mm	1690 mm
Depth:	1740 mm	2065 mm
Height:	925 mm	950 mm



	IDRO 1250	IDRO 1500
Loading capacity:	150 Kg	180 Kg
Rotation speed:	800 rpm	700 rpm
Drum Volume:	850 lt	1240 lt
Drum Diameter:	1250 mm	1500 mm
Drum Depth:	700 mm	700 mm
Width:	2200 mm	2550 mm
Depth:	1700 mm	2000 mm
Height:	1350 mm	1500 mm

OMI washing machinery

Dryers

Dryers

SMALL SIZE DRYERS

Dryers for sampling and small collections.

	ER 25	ER 50	ER 100
Loading capacity(r 1:30):	10 Kg	17 Kg	33 Kg
Rotation speed:	33 rpm	33 rpm	33 rpm
Drum Volume:	250 lt	500 lt	1000 lt
Drum Diameter:	680 mm	900 mm	1065 mm
Drum Depth:	625 mm	775 mm	1052 mm
Width:	715 mm	950 mm	1425 mm
Depth:	1070 mm	1200 mm	1635 mm
Height:	1680 mm	1910 mm	2045 mm
Temperature Infrared sensor	Optional	Optional	Optional
Relative Humidity sensor	Optional	Optional	Optional

MEDIUM SIZE DRYERS

Dryers for small and medium production.

	ER 250	ER 350
Loading capacity(r 1:30):	83 Kg	115 Kg
Rotation speed:	33 rpm	33 rpm
Drum Volume:	2500 lt	3500 lt
Drum Diameter:	1455 mm	1500 mm
Drum Depth:	1450 mm	2000 mm
Width:	1920 mm	1925 mm
Depth:	2310 mm	3000 mm
Height:	2550 mm	2505 mm
Temperature Infrared sensor	Optional	Optional
Relative Humidity sensor	Optional	Optional

Dryers

AISI 316 STAINLESS STEEL DRYER

Dryer for igenic necessities, completely built in aisi 316 stainless steel that prevent the bacterial diffusion.

	ER 200 INOX
Loading capacity(r 1:30)::	70 Kg
Rotation speed:	33 rpm
Drum Volume:	2000 lt
Drum Diameter:	635 mm
Drum Depth:	350 mm
Width:	830 mm
Depth:	990 mm
Height:	1000 mm
Temperature Infrared sensor	Optional
Relative Humidity sensor	Optional

ROBUST BIG SIZE DRYERS

Dryers for bulk production made to resist to heavy loads.

	ER 400 M	ER 550 M
Loading capacity(r 1:30):	135 Kg	185 Kg
Rotation speed:	33 rpm	33 rpm
Drum Volume:	4000 lt	5500 lt
Drum Diameter:	1800 mm	1800 mm
Drum Depth:	1570 mm	2280 mm
Width:	2500 mm	2500 mm
Depth:	1985 mm	2700 mm
Height:	3050 mm	3050 mm
Temperature Infrared sensor	Included	Included
Relative Humidity sensor	Included	Included

Fully Automatic plants

For washing, stone-washing, dyeing and drying

PATENTED SYSTEMS

Automatic dyeing system.

OMI washing machinery

Fully Automatic plants

For washing, stone-washing, dyeing and drying

AUTOMATIC PLANTS FOR:

STONE WASHING

DYEING

Automatic system for washing, stone-washing, dyeing and drying.
Automatic loading and unloading system.
Customized according to customers requirements.

OMI washing machinery

Dry processes

Dry Processes

COD. M00001

Manual dummy for brushing mod. Mm-1.

COD. M00210

Manual dummy for baby's pants Mod. MM-1-N.

COD. M00207

Manual dummy for children's pants Mod. MM-1-B.

Manual dummies utilization example.

Dry Processes

DUMMIES HOLDER

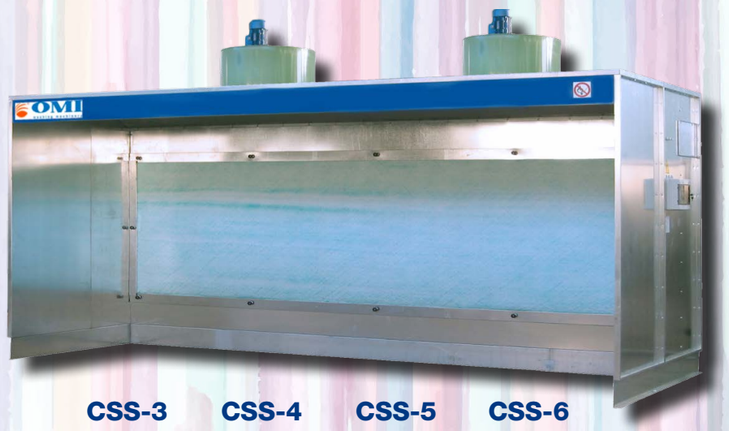
Support for two MM-1 dummies.

MM-1 vertical dummies with support and aspiration system.

Dry Processes

CSS 3 - CSS 4 - CSS 5 - CSS 6

Spray booths with 3 replaceable filters: Glass fibre, Polyester fibre and Polyester filtering cells.



	CSS-3	CSS-4	CSS-5	CSS-6
Width:	3160 mm	4160 mm	5160 mm	6160 mm
Depth:	2040 mm	2040 mm	2040 mm	2040 mm
Height:	2500 mm	2500 mm	2500 mm	2500 mm
Max Height:	3295 mm	3295 mm	3295 mm	3295 mm
Internal width:	2920 mm	3920 mm	4920 mm	5920 mm

CSA 3 - CSA 4 - CSA 5 - CSA 6

Water spray booths. Various capacities with water filter, water collection tank and electric-pump.

	CSA-3	CSA-4	CSA-5	CSA-6
Width:	3000 mm	4000 mm	5000 mm	6000 mm
Depth:	2040 mm	2040 mm	2040 mm	2040 mm
Height:	2500 mm	2500 mm	2500 mm	2500 mm
Max Height:	3310 mm	3310 mm	3310 mm	3310 mm
Internal width:	2920 mm	3920 mm	4920 mm	5920 mm

Dry Processes

MVM 2 RP - MVM 3 RP - MVM 4 RP - MVM 5 RP

Module with 2-3-4-5 vertical dummies, pneumatic rotation for sprying and brushing

	MVM-2 RP	MVM-3 RP	MVM-4 RP	MVM-5 RP
Width:	1850 mm	2850 mm	3850 mm	4850 mm
Depth:	800 mm	800 mm	800 mm	800 mm
Min Height:	2100 mm	2100 mm	2100 mm	2100 mm
Max Height:	2400 mm	2400 mm	2400 mm	2400 mm

COD. M00208

Manual dummy for baby's jackets mod. MGN-1.

COD. M00003

Dummy for man jackets mod. MGU-1.

COD. 00018

Dummy for woman jackets mod. MGD-1.

COD. M00209

Dummy for children jackets mod. MGB-1.

COD. M00169

Manual dummy for skirts mod. MG-2.

Dry Processes

DUMMIES FOR 3D EFFECT

Dummies for 3D effect created to make the polymerization process through staic ovens

FOR SAMPLING

Dummy for small ovens.

FOR PRODUCTION

Different sizes for production

Dry Processes

F/S STATIC OVEN

F/S static oven with heating through methane gas, gas oil or steam for drying and resins polymerization operations. Static oven small size available with electric feeding. Equipped with electric panel and Evolved Touch Screen terminal and dedicated software.

FOR SAMPLING AND COLLECTIONS

Small ovens.

	FS 120	FS 300
External Width:	2050 mm	2560 mm
External Depth:	2457 mm	5500 mm
External Height:	2500 mm	3180 mm
Internal Width:	1460 mm	1970 mm
Internal Depth:	1210 mm	3050 mm
Internal Height:	1860 mm	1900 mm
Volume	3.3 mc	11.4 mc

FOR PRODUCTION

Big size ovens.

	FS 450	FS 600
External Width:	2530 mm	2560 mm
External Depth:	6100 mm	8500 mm
External Height:	3300 mm	3180 mm
Internal Width:	2010 mm	1970 mm
Internal Depth:	4700 mm	6050 mm
Internal Height:	1830 mm	1900 mm
Volume	17.2 mc	22.6 mc

Dry Processes

GRINDING MACHINE FOR EDGE BREAKAGES AND ABRASIONS

Grinding station for jeans breakages and abrasion complete with powder suction.

GRINDING MACHINE BS 3 + FC1

3 brushing stations complete with dust vacum and collector with filter

GRINDING MACHINE BS 5 + FC1

5 brushing stations complete with dust vacum and collector with filter

BS 3 - BS 5 grinding machine utilization.

SAVE THE PLANET WITH

OMI washing machinery

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