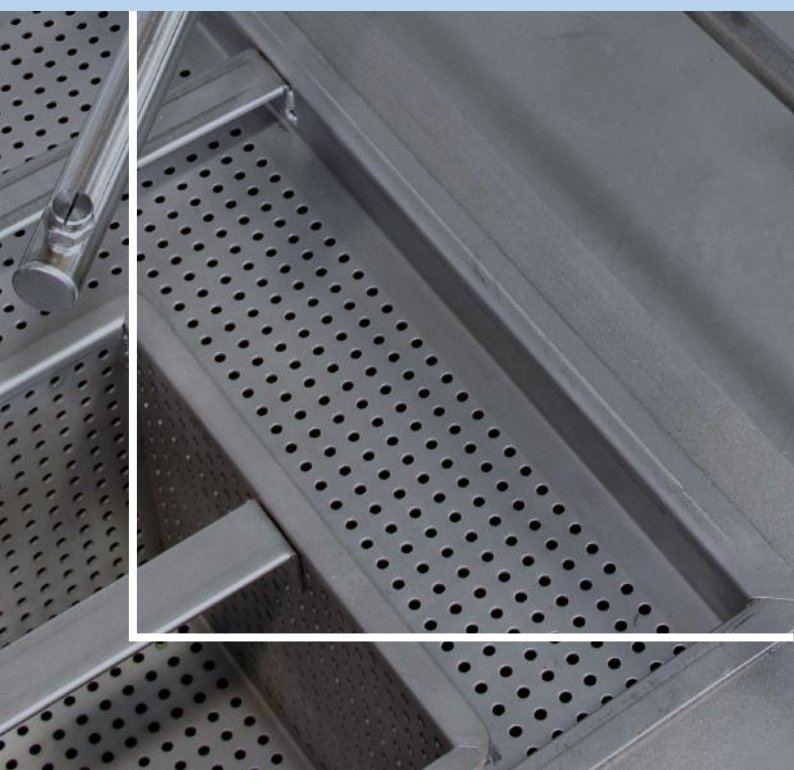


COMPACT LINE



VERSION
1500 3P

LCF SERIES

THE SERIES THAT DOUBLES THE CAPACITY AT HALF THE COST

The LCF Series machines are oversized and unique. Their depth allows the washing capacity to be doubled, increasing productivity and reducing operating costs by 50% in terms of labour, water and electricity consumption.

Made entirely of stainless steel, they are the best solution on the market for this product category.

+ PRODUCTIVITY

High loading capacity, low costs and a high standard of hygiene guaranteed for every production condition.



+ SAVINGS

Efficacy and Performance. Thanks to the depth of the basket, all versions of the LCF series wash twice as much as a standard machine, while maintaining the same performance and guaranteeing half the consumption.

+ VERSATILITY

The LCF series features versions to suit every type of environment and productivity. They can be equipped with a front tilt and turn door or vertical sliding door and three doors with a pass-through basket.



PLUS LCF SERIES

+ POWER

The special washing system with booster and rotating arms is fed by fibre and steel pumps, which can solve all dirt problems, even in environments with limited space and high production requirements.

+ CLEANING

The washing chamber is large and free of any obstructions that could cause dirt and bacteria to build up. This facilitates cleaning and ensures compliance with health and hygiene standards.

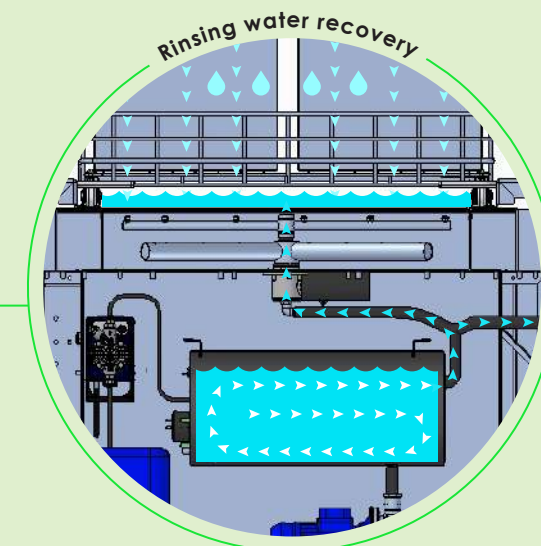
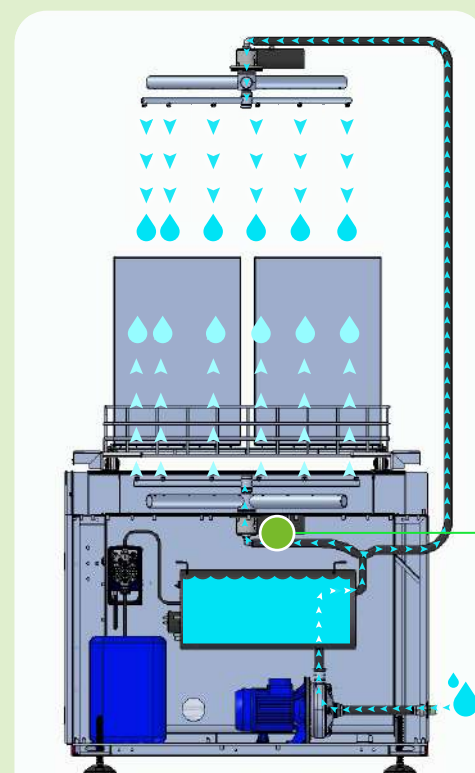


+ GREEN ORIENTED

The washing system is designed to reuse clean rinse water, minimising water and electricity consumption.

The larger capacity allows the same amount of rinsing water to be used as with a normal washer, reducing consumption per item washed.

1 RINSE
CYCLE
=
+ RINSED
MATERIAL



WHY CHOOSE THE 3P VERSION?

The lateral loading system with baskets on wheels reduces loading and unloading downtime. In addition, the 3P version models can be used in any sector thanks to their capacity and the power of the washing pumps.

LCF 1500 3P

- vertical sliding door with counterbalance springs
- Single wall
- 2 vertical 2.6 kW fibre pumps
- stainless steel rinse pump
- stainless steel pass-through basket on wheels



- floor drain
- internal detergent canister holder with key lock
- washing cycles of 120 / 240 / 360 sec. + Rinse at 85 C°

LCF 1500 3P 4K

- vertical sliding door opening with counterbalancing counterweights
- double insulated wall
- 2 vertical stainless steel 4 kW pumps
- stainless steel rinsing pump
- stainless steel pass-through basket on wheels



- floor drain
- internal detergent canister holder with key lock
- washing cycles of 120 / 240 / 360 sec. + Rinse at 85 C°

LCF 1500 3P A 4K

- usable height increased to 1050 mm
- vertical sliding door opening with counterbalancing counterweights
- double insulated wall
- 2 vertical stainless steel 4 kW pumps
- stainless steel rinsing pump
- stainless steel pass-through basket on wheels
- floor drain
- lockable internal detergent canister holder
- washing cycles of 120 / 240 / 360 sec. + Rinse at 85 C°



**EXTRA VOLUME
LOADING**



FOR ALL TYPES OF PRODUCTION

The 3P version is available in three different models to allow it to be used with low costs and high hygiene standards in any production environment, even in small spaces.



HO.RE.CA.



SEA FOOD



**CONFECTIONERY
AND PASTRY**



DAIRY



BAKERY



GDO



**AUTOMATION AND
AUTOMOTIVE**



**POULTRY
FARMS**



**AGRICULTURAL
SECTOR**



**MEAT AND
COLD CUTS**



**CHEMICAL
PHARMACEUTICAL**



**FOOD
INDUSTRY**



HOSPITAL



**COSMETIC
INDUSTRY**

WASH EVERYTHING

With a usable internal capacity of up to mm1390x910x1200h, the 3P version is particularly suitable for all sectors that use bulky materials, as well as Crates, Baskets, Moulds, Containers, Trays, Knives, Laboratory Tools, Boxes, Pallets, Europa Bins, Pipes and More.

A FEW NUMBERS:

- 48 trays mm 600x400x15h;
- 24 trays mm 600x800x20h;
- 14 trays mm 800x800x20h;
- 4 baskets mm 600x400;
- 2 Europa bins mm 650x650x680h;
- 4 pallets mm 1200x800x140h;
- 4 pallets mm 1200x1000x140h; HIGH VERSION
- 1 bin mm 1200x800x760h;

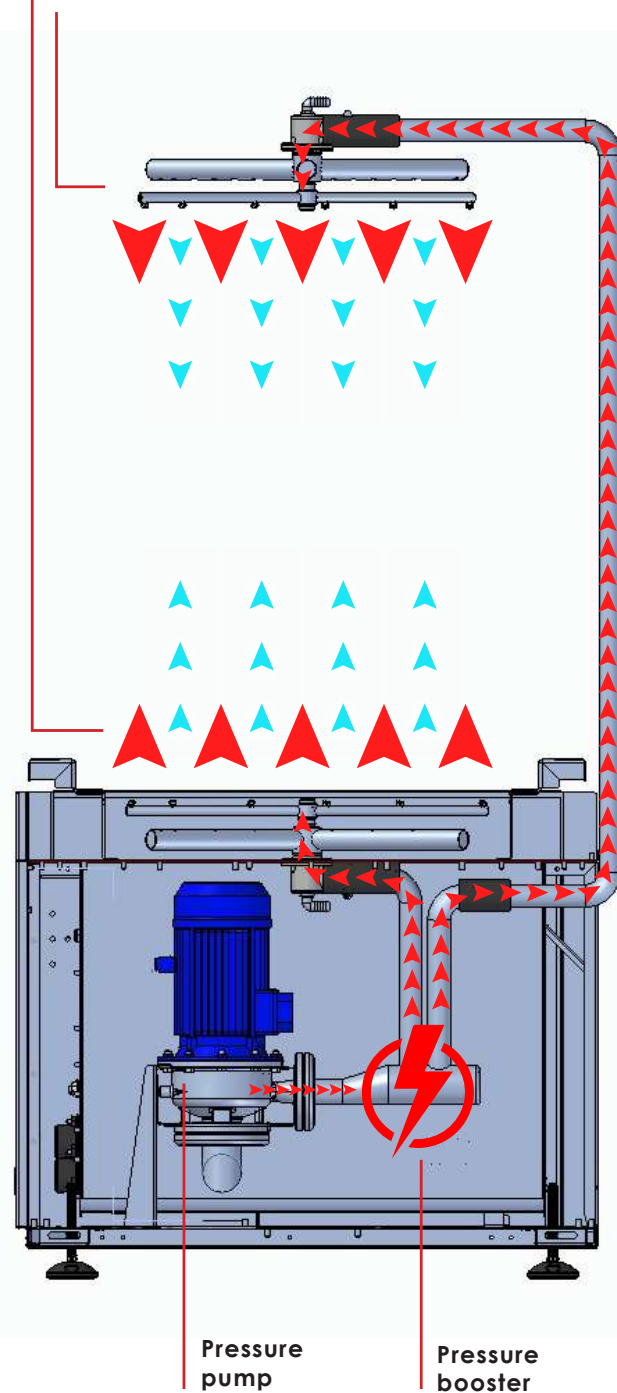
ADVANTAGES AS STANDARD

WASHING BOOSTER

The special technology introduced by Velox with an expansion tank allows the washing pressure to be increased and balanced between the upper and lower jets.

Ensuring the correct pressure and spray distribution reduces washing time and maximizes cycle quality.

Thanks to the Booster, the upper and lower pressure have the same washing power



INTERNAL TANK HOLDER



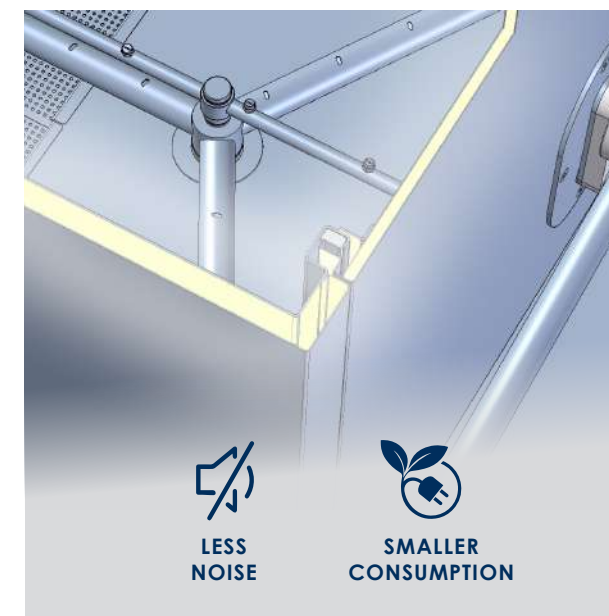
The built-in tank holder service compartment is equipped with an access key to ensure compliance with hygiene and health regulations.

BASKET ON WHEELS



The basket on wheels is made entirely of stainless steel. Its large capacity enables washing of bulky material and reduces loading and unloading downtime.

DOUBLE INSULATED WALL



The AISI 304 double-walled insulated stainless steel structure reduces noise pollution and energy consumption, and avoids water dispersion.

FIBRE AND STEEL PUMPS



To ensure maximum cycle quality, the LCF 1500 3P is equipped with two 2.6 kW fibre pumps operating at full power. The heavy-duty 4k models feature two 4kW stainless steel pumps, the most powerful in their category.

COUNTERBALANCED DOORS



The opening system is designed to reduce stress and speed up loading and unloading times, through a system of counterweights (for the 4K models) or counterbalance springs (for the LCF 1500 3P model).

CONTROL PANEL



The machine is electronically controlled to set washing cycles of 2 - 4 - 6 minutes or 4 - 8 - 12 minutes. The control panel also allows the display of temperatures, door alarms and motor circuit breaker release.

OPTIONAL

DISINFECTION KIT

The disinfection kit is a veritable additional cycle that allows different types of disinfectant to be used. Many products are residuals, which is why adding them to the rinse water may leave them on the washed material at the end of the cycle. Therefore, it is recommended to use **Sanivelox**, a 150-volume (non-residual) H₂O₂ hydrogen peroxide. If chlorine (a residual product) is used, the disinfection kit is absolutely necessary.

Our system comprises a dosing pump for the disinfectant, a pre-mixing boiler (where the disinfectant solution is dosed) and a double cycle of:

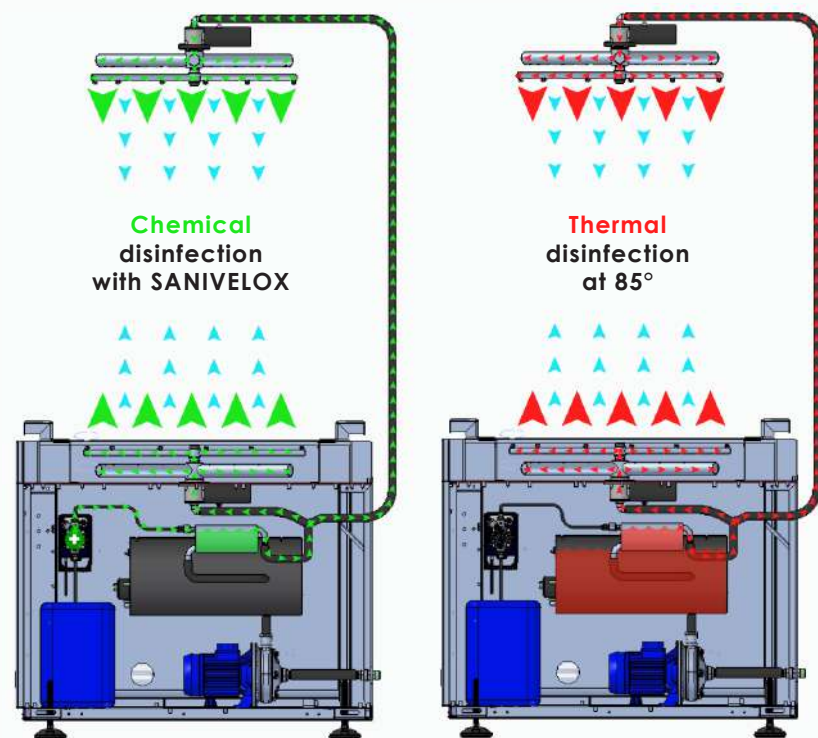
- > **Spraying with Pre-Rinse**
- > **Pause for Product Action**
- > **Final Rinse**

When the washing cycle is activated, the dosing pump loads a pre-set quantity into the pre-mixing boiler. By loading it at the start of the wash cycle and using it in the same cycle, you can be sure that Sanivelox (easily evaporable hydrogen peroxide) is dosed at the time of use and is 100% effective, thus ensuring complete disinfection.

After washing, the disinfectant mixture is sprayed from the rinse nozzles in the pre-rinse cycle.

A pause allows the disinfectant to act on the washed material, which is then removed with a rinse cycle at 85°.

This system guarantees chemical disinfection and thermal disinfection with the certainty that the material will not have any residues of disinfectant product on it.



STEAM POWERED

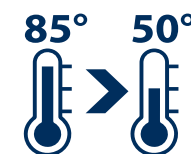


The entire LCF series can be equipped with the indirect steam heating system. Steam technology heats wash and rinse water through stainless steel coils to return condensate at 95°, which can be reused to produce new steam.

This closed-loop system reduces energy, water, water treatment and detergent costs, increases hygiene and avoids contact of the machine's process water with steam that could be distributed through pipes unsuitable for food consumption.

TEMPERATURE PEAK CONTROL KIT

In industries such as meat and cheese processing, if the machine is used continuously, rinsing at 85° increases the temperature of the washing tank, which may then cook the proteins present on the material to be washed. A dual hot/cold feed system with a double thermostat keeps the washing temperature at 50°, thus optimizing quality.



CONDENSER AND RECOVERY UNIT



Continuous research for energy-saving solutions is the basis for the technology of the condenser and heat recovery unit with 8-litre exchange coil, which can be installed on the entire LCF series, to supply the machine with cold water.

The large amount of water in the coil, in addition to condensing the vapours produced by the washing and rinsing cycle, almost completely pre-heats the water used in rinsing, reducing consumption by up to 30%.

ENERGY SAVING KIT

The machine can be equipped with a system that allows the heating elements to be disconnected if the available power threshold is exceeded in order to avoid financial penalties and cost overruns.

This technology can be integrated with any energy saving system.



COMBINATION TABLE/TANK



Both the table and the tank of the LCF 3P can be installed on the right and/or left. The tank can be used as a drain for pre-treatment of difficult products.

FUME EXTRACTOR



In order to reduce the emission of moisture into the environment, it is possible to install a fume extractor that works both during rinsing and after the end of the cycle.

EXTERNAL SPRAY-HOSE FOR CLEANING



It allows the machine to be cleaned at the end of the day and the material to be pre-washed before the cycle starts.

SPRAYER



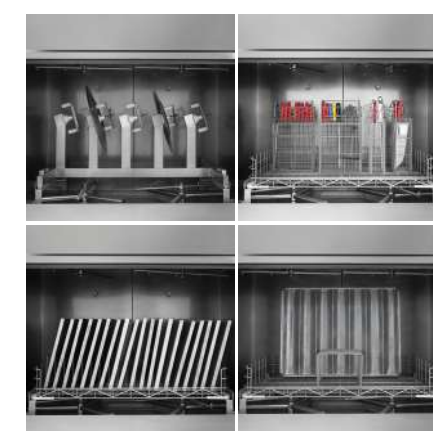
The single-hole sprayer allows the material to be pre-washed in the tank. It is complete with taps for regulating hot/cold water.

BEEPER



of a lack of detergent, reducing the risk of wash cycles without detergent that would compromise wash quality.

INSERTS



A wide range of supports, which can also be customized to meet specific requirements, enables washing of the most diverse types of materials used in various sectors.

TECHNOLOGY 4.0 PIONEERS

We want to promote the production change that leads to fully automated and interconnected processes. For this reason, Velox Barchitta machines are designed to meet the requirements of Industry 4.0 standards.

 Management program entirely designed, developed and managed by Velox Barchitta

 PLC control with simple and intuitive interface

 Interconnection to computer systems

 Data Upload and Remote Control

 Automated Integration with Logistics Systems

 Remote maintenance and remote diagnostics

 Sensors for monitoring parameters and conditions

 Certification of the cycle with control of parameters for Safety, Health and Hygiene

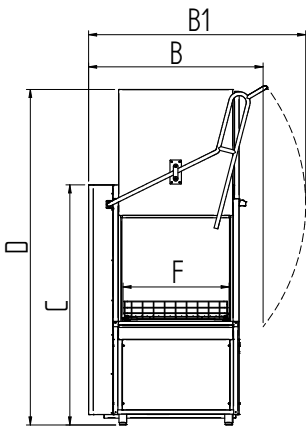
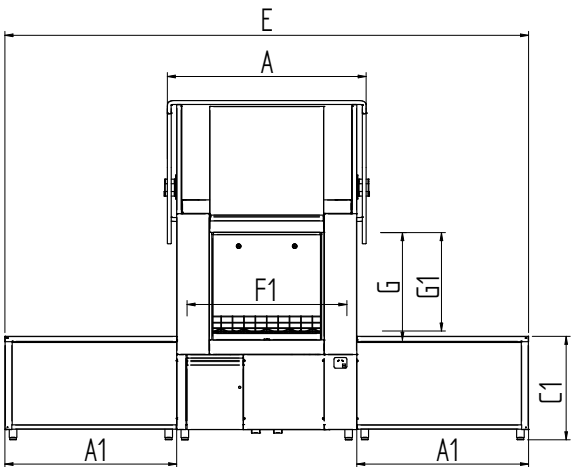
 Adaptation to process trends



TECHNICAL DATA

	LCF 1500 3P	LCF 1500 3P 4K	LCF 1500 3P A 4K
A - width (mm)	1734	1714	1714
A1 - width of side table (mm)	1500	1500	1500
B - depth (mm)	1521	1447	1447
B1 - minimum depth for door opening (mm)	1893	1883	1883
C - height (mm)	2122	2196	2404
C1 - side table height (mm)	903	1030	1030
D - height with open door (mm)	2954	3117	3537
E - width with side tables	4570	4570	4570
F - internal working depth (mm)	925	920	920
F1 - internal working width (mm)	1476	1483	1483
G - internal working height (mm)	934	919	1130
G1 - working height with basket (mm)	858	843	1054
Basket size (mm)	1330 x 910	1330 x 910	1330 x 910
Washing tank capacity (lt)	130	180	180
Water consumption/cycle (lt)	14	14	16
Washing pump (kW)	2 x 2,6	2 x 4	2 x 4
Rinsing pump (kW)	0,75	0,75	0,75
Tank heating element (kW)	12	12	12
Boiler heating element (kW)	12	12	12
Rinsing boiler capacity (l)	25	25	25
Total consumption (kW)	17,2	20	20
Chimney (ø mm)	260	260	260
Load (inch)	3/4" M	3/4" M	3/4" M
Drain (inch)	2" M	2" M	2" M
Power supply	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Standard water supply (°C)	50 / 60	50 / 60	50 / 60
Control panel voltage (V)	8	8	8
Washing cycles (min.)	2' - 4' - 6' / 4' - 8' - 12'	2' - 4' - 6' / 4' - 8' - 12'	2' - 4' - 6' / 4' - 8' - 12'
Rinsing cycles (sec.)	25" - 40"	25" - 40"	25" - 40"
Weight approx. (Kg)	560	760	790
Sound level (dB)	68	70	70
2bar steam supply consumption (kW)	5,2	8	8
Steam consumption (Kg/h)	30	30	35
Steam inlet (inch)	3/4"	3/4"	3/4"
Condensate drain (inch)	1/2"	1/2"	1/2"
Water supply for washing temperature peak control kit (°C)	HOT + COLD	HOT + COLD	HOT + COLD
Timed fume absorption (kW)	0,18	0,18	0,18
Chimney with fume extractor (ø mm)	120	120	120
Fume recovery unit absorption with condenser (cold water supply) (kW)	0,18	0,18	0,18

OPTIONAL





Velox Barchitta was the first company to introduce industrial washing in Italy.

Founded in 1929, it now boasts almost a century of experience in the sector. Throughout its history, the company stood out due to quality and innovation, **designing revolutionary technologies such as the first and original home dishwasher or the granule washing system with Carbonet..**

Today it is able to design and produce any system for industrial washing and disinfection, exporting all over the world **multi-sector solutions** that combine **very high performance with very low costs.**

PRODUCT LINE

- **MINI** Small multifunctional glass, dish and object washers.
- **COMPACT** Fixed basket, multifunctional and various sized washing systems.
- **CABINS** Cabin washing systems with fixed and rotating base for large washing volumes.
- **TUNNEL** Standard tunnel or openable roof washing systems. Also with in-line insertion.
- **STERIL LINE** Natural, sustainable and safe disinfection solutions suitable for any sector.
- **AUTOMATION** Automatic washing systems designed, engineered and manufactured according to customer's needs.
- **ADDITIVES** High-quality detergents that maximize machine performance.

RIVENDITORE

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