

MCS

DYEING & FINISHING MACHINERY



EUROFLOW SPORT

HT ROPE HORIZONTAL DYEING MACHINE



OUR HISTORY

DYEING & FINISHING MACHINERY



MCS & TERMO INNOVATION ZONE



COMMISSION ECO-DYEHOUSE



AUTOMATION & SOFTWARE



mcsgroup.it
Bergamo - Italy



MCS spa, since 1963, develops, manufactures and installs discontinuous dyeing machines and washing & preparation lines

2023 ITMA - Milan

MCS exhibits:

- Multiwash-M,
- Comby Jigger-C4,
- Chronoflow,
- Softflow-18

2019 ITMA - Barcellona

MCS exhibits:

- Lavaprint Next,
- Dynamica Sprint,
- Mini Jigger 98,

MCS presents:

- C4 Comby Jigger 143;
- Softflow 18-HT.

2017

MCS presents:

- Mini Jigger 98.

2015 ITMA - Milan

MCS exhibits:

- Multiwash,
- Dynamica Sprint,
- Starwash FS,
- Termopowder XP,
- Texmanager XP,
- Termochem XP.

2014 ITMA - Shanghai

MCS exhibits:

- Starwash Fast Scouring.

2013

MCS celebrate their 50 th anniversary

2011 ITMA - Barcellona

MCS exhibits:

- Dynamica,
- Star Wash,
- Comby Jigger,
- Supervisor Texmanager.

2009

MCS presents:

- Italica.

2008

MCS Re-design of all high and low temperature Jigger models.

2007 ITMA - Munich

MCS exhibits:

- Universal Dyeing,
- First Vento,
- Tumbler Mistral,
- VDA.

2005 IKME - Milan

MCS exhibits:

- Universal Dyeng, VDA.

2003 ITMA - Birmingham

MCS exhibits:

- Multiflow Superior,
- Ecoturbo Beam Dyeing Machine.

2000

MCS acquires 100% of Termoelettronica owner-ship.

1999 ITMA - Paris

MCS exhibits:

- Multiflow,
- Softflow 100 Evolution,
- Comby jigger electronic.

1995 ITMA - Milan

MCS exhibits:

- Softflow,
- Long Horn,
- Pumex

1991 ITMA - Hannover

MCS exhibits:

- Tornado Tumbler,
- Maxi & Mid jiggers,
- Lavaprint.

1987 ITMA - Paris

MCS exhibits: Pandora.

1983 ITMA - Milan

MCS exhibits:

- Tubular mercerizer MT26,
- Softflow-82 LT/HT,
- Flow/jet OF83,
- Comby Jigger HT,
- WR rope washing machine.

1980

Europea activity begins, group dyeing and resining company.

1979 ITMA - Hannover

MCS exhibits:

- Jet HT,
- Overflow MO/80 LT,
- MRS65.

1974

MCS begins the design and development of the open width lines.

1971 ITMA - Paris

MCS exhibits:

MCS exhibits the first low temperature jet model.

1968

Europizzi begins its activity

1967

MCS manufactures the first low temperature rope dyeing machine.

1964

MCS begins its activity.

1963

Gino Chiappini, Angelo Cagnazzo, founding MCS. Gino Chiappini is the Chairman of the Board.



EUROFLOW SPORT

HT ROPE HORIZONTAL DYEING MACHINE

Euroflow Sport es una máquina para teñir cuerdas a alta temperatura (máximo 144°C).

Es una máquina de almacenamiento horizontal-, adecuada para tejidos de punto y ortogonales con gramajes variables , gracias al uso de sistemas de control avanzados.

El cuerpo de la máquina puede estar compuesto por uno o cuatro tubos de diferente capacidad, según el modelo y la versión elegida.

Considerando una fibra celulósica de punto con un peso de 250 g/lin. m, las capacidades de carga son las indicadas en el cuadro de la pág. 6

Todas las partes internas de la máquina en contacto con la tela se fabrican utilizando acero inoxidable AISI 316/AISI 316 L. certificado.

Euroflow Sport está completamente diseñado y construido MCS.

Cada novo modelo é testado e exibido, em INNOVATIVE BLUE AREA integrada na tinturaria do Grupo MCS.

Euroflow Sport is a high temperature rope dyeing machine (max 144 °F).

It is a horizontal-depositing machine, suitable for both knitted and orthogonal fabrics with variable weights, thanks to the use of advanced control systems.

The machine body can be composed of one to four tubes with different capacities , depending on the model and the version chosen.

Considering a cellulosic fibre mesh with a weight of 250 g/lin. m, the filling capacities are those indicated in the table on p. 6

All internal parts of the machine in contact with the fabric are constructed using AISI 316/AISI 316 L. certified stainless steel.

Euroflow Sport is entirely engineered and built in MCS.

Each new model is tested and exhibited, in INNOVATIVE BLUE AREA integrated in the MCS Group dyeing plant.

STORIA DELLE MACHINE DA TINTURA IN CORDA MCS

1967 ITMA - Paris: MCS espone el primer modelo de Jet baja temperatura

1979 ITMA - Hannover: MCS espone JET-HT e OVERFLOW MO/80 LT

1983 ITMA - Milan: MCS espone SOFTFLOW 82 HT e FLO-JET OF83 HT

1987 ITMA - Paris: MCS espone PANDORA HT

1995 ITMA - Milan: MCS espone SOFTFLOW 100 HT, LONG HORN HT.

1999 ITMA - Paris: MCS espone MULTIFLOW HT, SOFTFLOW 100 SUPERIOR HT

2000: MCS diseña la EUROFLOW LONG

2003 ITMA - Birmingham: MCS espone MULTIFLOW SUPERIOR.

2007 ITMA - Monaco: MCS espone FIRST HT

2011 ITMA - Barcelona: MCS espone DYNAMICA HT

2015 ITMA - Milan: MCS espone DYNAMICA SPRINT HT

2019 ITMA - Barcelona: MCS presenta SOFTFLOW 18 HT, espone DYNAMICA SPRINT HT

2020: MCS diseña EUROFLOW SPORT

2023: ITMA Milan: MCS espone CHRONOFLOW e SOFTFLOW 18 HT

ROPE DYEING MACHINE HISTORY

1967 ITMA - Paris: MCS exhibits: the first low temperature jet model.

1979 ITMA - Hannover: MCS exhibits JET-HT and OVERFLOW MO/80 LT

1983 ITMA - Milan: MCS exhibits SOFTFLOW 82 HT and FLO-JET OF83 HT

1987 ITMA - Paris: MCS exhibits PANDORA HT

1995 ITMA - Milan: MCS exhibits: SOFTFLOW 100 HT, LONG HORN HT.

1999 ITMA - Paris: MCS exhibits: MULTIFLOW HT, SOFTFLOW 100 SUPERIOR HT

2000 : MCS presents the EUROFLOW LONG

2003 ITMA - Birmingham: MCS exhibits: MULTIFLOW SUPERIOR.

2007 ITMA - Monaco: MCS exhibits FIRST HT

2011 ITMA - Barcelona: MCS exhibits DYNAMICA HT

2015 ITMA - Milan: MCS exhibits DYNAMICA SPRINT HT

2019 ITMA - Barcelona: MCS presents SOFTFLOW 18 HT, exhibits DYNAMICA SPRINT HT

2020 : MCS design the EUROFLOW SPORT

2023 ITMA Milan: MCS exhibits CHRONOFLOW and SOFTFLOW 18 HT

EUROFLOW SPORT | HT

HT ROPE DYEING MACHINE

Depósito horizontal cilíndrico con cubeta interior adecuadamente perforada para un transporte perfecto de telas sintéticas o naturales

Enjuague con agua derramada del depósito/cubeta mediante baño o bomba de circulación

Grupo de transporte de la tela que comprende: bobina de arrastre accionada de manera independiente, Hydrovario (sistema de boquilla con apertura ajustable), tubos de transporte modelados para garantizar una marcha perfecta de la tela y un depósito sin tensiones/abrasiones

Succión controlada del baño para evitar las posibles turbulencias locales en la sección perforada de la cubeta

Flotación de la tela dentro de la cubeta del depósito, independiente del baño de fuera de la propia cubeta, lo cual permite un movimiento natural de la tela no afectado por el flujo del baño

Distribución controlada del baño a la parte trasera del depósito para reducir el posible empuje del baño

Depósito lateral para productos, con sondas de nivel neumáticas y mezclador

Depósito VERTICAL para preparación del baño **MST** con sistema para el control / gestión del nivel

Acabado de la máquina: con chorro de arena o tiras

MAIN FEATURES

Cylindrical horizontal vessel with inner trough suitably perforated for a perfect transport of synthetic or natural fabrics

Overflow rinse of the vessel/trough by means of liquor circulation pump

Fabric transport group comprising: independently driven dragging reel, Hydrovario (nozzle system with adjustable aperture), shaped transport tubes to grant a perfect fabric run and deposit without tension/abrasion

Controlled liquor suction to avoid possible local turbulence in the perforated section of the trough

Fabric floatation inside the deposit trough, independent of liquor outside the trough itself, thus allowing a natural movement of the fabric unaffected by liquor flow

Controlled liquor delivery to the rear part of the vessel to reduce possible liquor thrust

One side tank for products, with pneumatic level probes and mixer

Easy accessibility to each single chamber via a large, easy to open door

Self cleaning static filter in main delivery pump (SCSF)

Horizontal circulation pump with variable speed

MQD, machine quick drain, by main circulation pump.

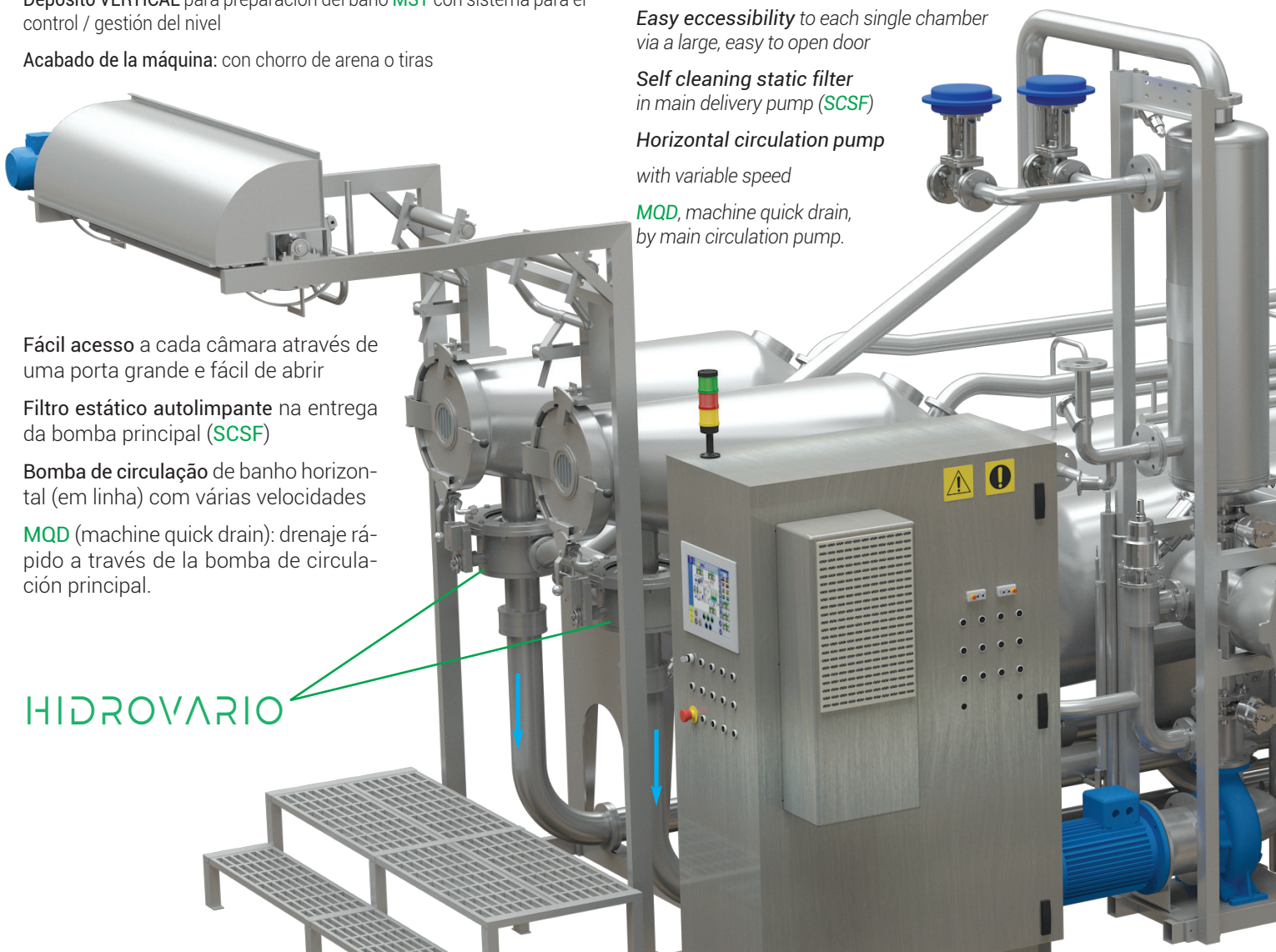
Fácil acceso a cada câmara através de uma porta grande e fácil de abrir

Filtro estático autolimpante na entrega da bomba principal (SCSF)

Bomba de circulação de banho horizontal (em linha) com várias velocidades

MQD (machine quick drain): drenaje rápido a través de la bomba de circulación principal.

HIDROVARIO



EUROFLOW SPORT | HT

HT ROPE DYEING MACHINE

MST (machine side tank): tanque de preparación del baño con control de nivel y sistema de gestión mediante sonda neumática para reducir el tiempo de inactividad en las fases de llenado del baño.

MQD (machine quick drain): drenaje rápido a través de la bomba de circulación principal.

Panel operador: se puede utilizar cualquier micro disponible en el mercado.

Tanque de producto adicional: Segundo tanque de adición de producto completo con mezclador, sonda neumática, serpentín de calentamiento y recirculación en baño de máquina para facilitar las funciones de mezcla y disolución del producto.

Medidor de pH: Medidor de pH compuesto por una sonda de alta temperatura y un instrumento de lectura instalado en el panel.

Medidor de flujo de vapor: conectado al microprocesador de la máquina para registrar el consumo de vapor del ciclo.

Medidor de consumo eléctrico: conectado al microprocesador de la máquina para registrar el consumo eléctrico del ciclo.

Aire acondicionado: aire acondicionado en panel eléctrico de capacidad de enfriamiento adecuada con fuente de alimentación trifásica.

-20% RUN TIME WITH MST+MQD

MST

MAIN FEATURES

MST (machine side tank) is for liquor preparation; liquor is controlled and managed by a pneumatic probe in order to reduce down times by liquor fillings.

Operation panel: Upon Customer's request it is always possible to install different brands of controllers.

Second add tank: Second side-tank for products, complete with mixer, pneumatic probe, heating coil, liquor recycling to make product dissolving and mixing much easier.

pH-Meter: composed of high temperature probe and reading instrument installed in the panel.

Steam flow meter: Steam flow meter with system connected to the processor microprocessor for steam cycle.

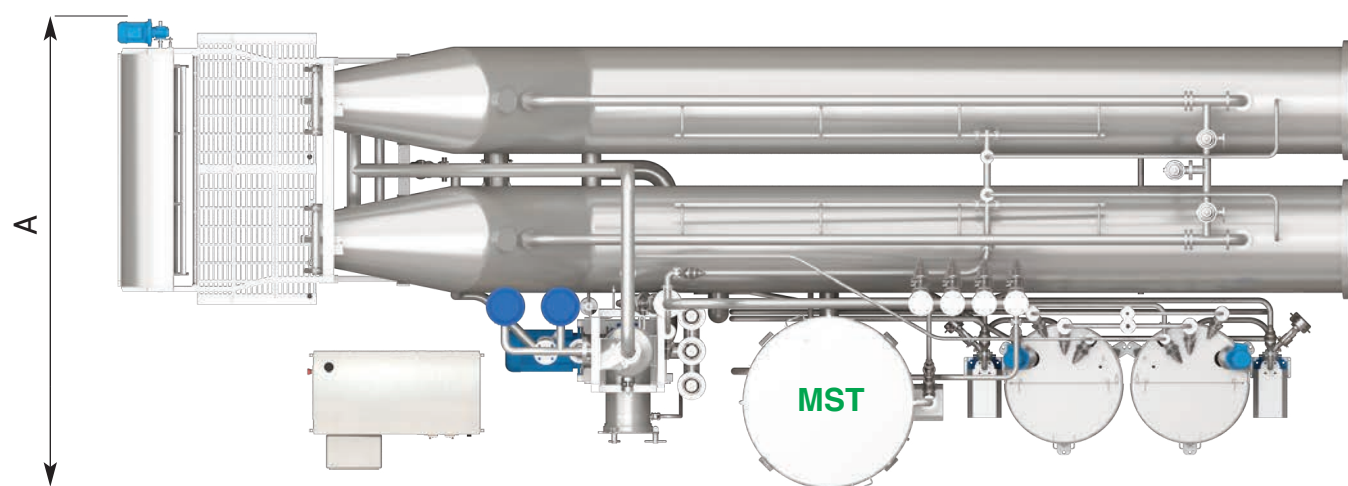
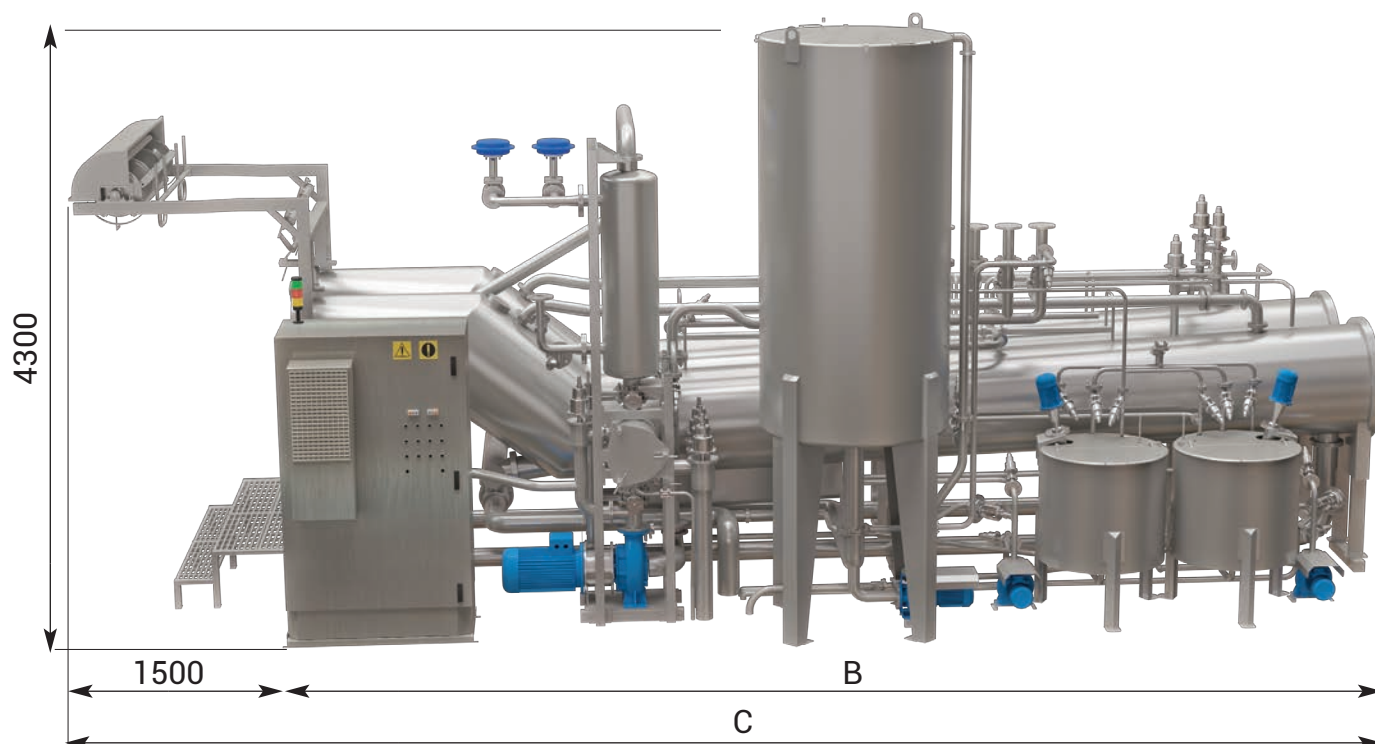
Electric consumption meter: connected to the machine microprocessor for recording the electrical consumption of the cycle.

Conditioner: Air conditioner with adequate cooling power with 3-phase power supply.

LIQUOR RATIO 6 + FABRIC ABSORPTION

SCSF

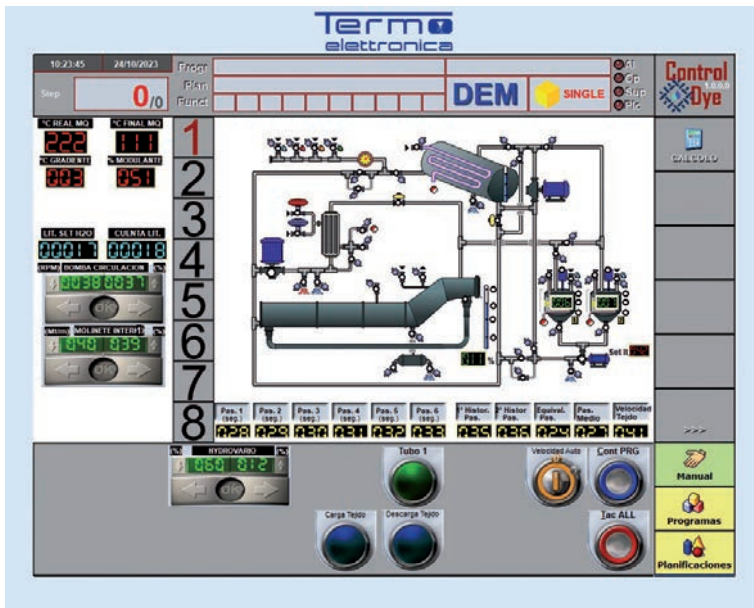
MODELS DATA



MODEL	Loading [Kg]	Rope n.]	A [mm]	B [mm]	C [mm]
EFS-1-54	50-70	1	1900	5550	7000
EFS-1-74	150	1	2300	7550	9000
EFS-1-94	200	1	2300	9550	11000
EFS-2-74	300	2	3150	7550	9000
EFS-2-94	400	2	3150	9550	11000
EFS-3-74	450	3	4530	7550	9000
EFS-3-94	600	3	4530	9550	11000
EFS-4-74	600	4	5500	7550	9000
EFS-4-94	800	4	5500	9550	11000

MCS reserve the right to change technical data and specifications without prior notice

CTRL DYE



Panel de operador desarrollado en windows para implementar de forma avanzada todas las funciones de diagnóstico, monitoreo y automatización de las máquinas de teñido.

Pantalla táctil 15", diseñado específicamente para uso industrial: cada función resulta mas fácil e inmediato acceso.

A petición se puede utilizar cualquier micro disponible en el mercado.

Operatiron Panel developed in Windows room to improve all diagnostic functions, monitoring and automation of dyeing machines.

With Touch-Screen 15", purposely designed for industrial use, the access to functions is easy and immediate.

Upon Customer's request it is always possible to install different brands of controllers.

TEXMANAGER 4.0

Software de gestión de producción integrada que incluye:

Gestión de personal

Optimización de los recursos humanos

Gestión de maquinaria

Gerencia departamentos de producción

Gestione almacén

Integrated production management software including:

Personnel Management

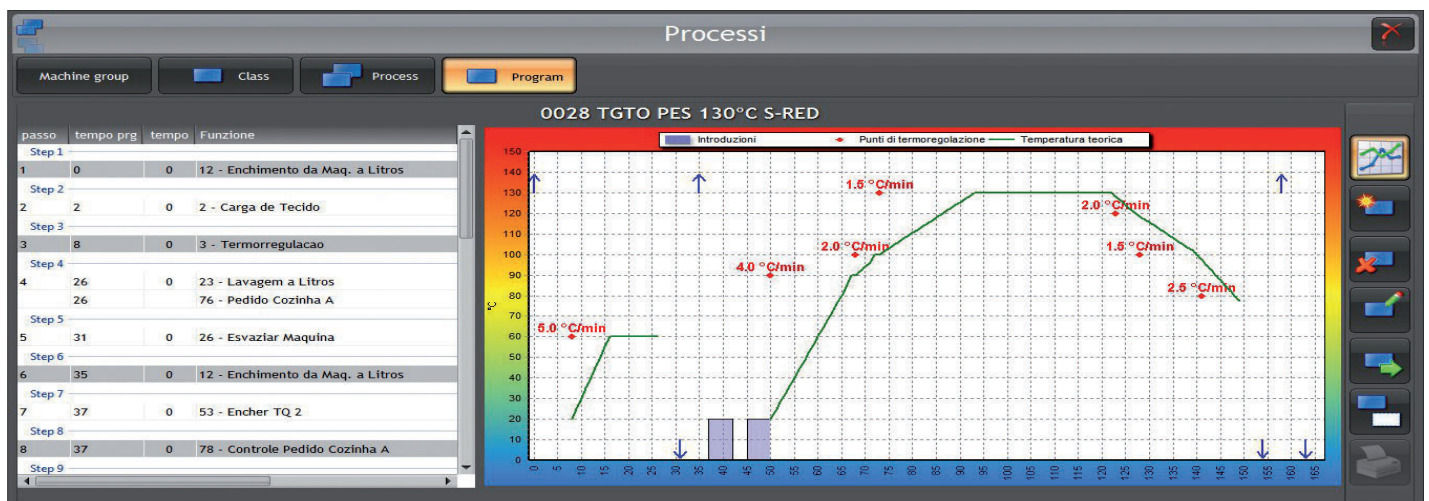
Optimization of human resources

Management of machinery

Software for integrated Production Management

Management of production departments

Warehouse management



FEEL THE POWER OF WATER

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