member of
ACIMIT
ITALIAN TEXTILE MACHINERY

ENG/POR

MCS
DYEING & FINISHING MACHINERY

EUROFLOW SPORT

HT ROPE HORIZONTAL DYEING MACHINE

THINK BEFORE YOU PRINT

ROADMAP TO ZERO

OUR HISTORY

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

ROADMAP TO ZERO by ZDHC

2025 - 1° LIVE OPEN-DAY in Blue Innovative Area
MCS show running:
- Multiwash-M
- Double Jigger-C4
- Chronoflow
- Softflow-18

2023 ITMA - Milan
MCS exhibits:
- Multiwash-M,
- Double 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.

2011 ITMA - Barcellona
MCS exhibits:
- Dynamica,
- Star Wash,
- Comby Jigger,
- Supervisor Texmanager.

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 é uma máquina de tingimento em corda de alta temperatura (max 144 ºC).

É uma máquina de deposição horizontal, adequada para tecidos de malha e ortogonais com pesos variáveis, graças ao uso de sistemas de controle avançados.

O corpo da máquina pode ser composto de um a quatro tubos com diferentes capacidades , dependendo do modelo e da versão escolhida.

Considerando uma malha de fibra celulósica com um peso de 250 g/lin. m, as capacidades de enchimento são as indicadas na tabela na p. 6

Todas as peças internas da máquina em contato com o tecido são construídas usando aço inoxidável certificado AISI 316/ AISI 316 L. .

A Euroflow Sport é totalmente projetado e construído em MCS.

Cada nuevo modelo es probado y expuesto, en INNOVATIVE BLUE ÁREA integrado en la tintorería del grupo MCS.

***Euroflow Sport** is a high temperature rope dyeing machine (max 144 ºF).*

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.

HISTÓRIA DAS MÁQUINAS DE TINGIMENTO EM CORDA MCS

1967 ITMA - Paris: MCS expõe o primeiro modelo de jato de baixa temperatura
1979 ITMA - Hannover: MCS expõe JET-HT e OVERFLOW MO/80 LT
1983 ITMA - Milão: MCS expõe SOFTFLOW 82 HT e FLO-JET OF83 HT
1987 ITMA - Paris: MCS expõe PANDORA HT
1995 ITMA - Milão: MCS expõe SOFTFLOW 100 HT, LONG HORN HT.
1999 ITMA - Paris: MCS expõe MULTIFLOW HT, SOFTFLOW 100 SUPERIOR HT
2000: MCS apresenta la EUROFLOW LONG
2003 ITMA - Birmingham: MCS expõe MULTIFLOW SUPERIOR.
2007 ITMA - Monaco: MCS expõe FIRST HT
2011 ITMA - Barcelona: MCS expõe DYNAMICA HT
2015 ITMA - Milão: MCS expõe DYNAMICA SPRINT HT
2019 ITMA - Barcelona: MCS apresenta SOFTFLOW 18 HT, espone DYNAMICA SPRINT HT
2020: MCS projeta EUROFLOW SPORT
2023: ITMA Milão: MCS expõe 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

CARACTERÍSTICAS

Tanque horizontal cilíndrico com bandeja interna adequadamente perfurada para o transporte perfeito de tecidos sintéticos ou naturais

Sistema de lavagem do corpo / cesto forçado pela bomba de circulação do banho.

Grupo de transporte de tecido composto por: bobina de acionamento acionada de forma independente, Hydrovario (sistema de fluxo com com abertura ajustável), tubos de transporte modelados para garantir o perfeito transporte do tecido e o tanque sem estresse / abrasão

Sucção controlada do banho para evitar possíveis turbulências locais na seção perfurada do corpo máquina.

Flutuação do tecido passagem do tecido dentro da cesta e, portanto, não afetação pelo banho.

Distribuição controlada do banho na parte traseira do tanque para reduzir a possível pressão do banho

Tanque lateraL para produtos, com sonda de nível pneumático e misturador

Tanque **VERTICAL** para preparação do banho MST com sistema de controle / controle de nível

Revestimento da máquina: Sandblast ou Fioretti Finishing.

Fácil acesso a cada câmera através de uma porta grande e fácil de abrir

Filtro estático autolimpante na entrega da bomba principal (SCSF)

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

MQD (drenagem rápida da máquina): drenagem rápida através da bomba de circulação principal.

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 eccessibility *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*

EUROFLOW SPORT | HT

HT ROPE DYEING MACHINE

CARACTERÍSTICAS

MST (tanque lateral da máquina): tanque de preparação de banho com controle de nível e sistema de gerenciamento de sonda pneumática para reduzir o tempo de inatividade nas fases de enchimento do banho.

Painel do operador: qualquer micro disponível no mercado pode ser usado.

Tanque de produto adicional: Segundo tanque de adição de produto completo com misturador, sonda pneumática, serpentina de aquecimento e recirculação no banho de máquina para facilitar as funções de mistura e dissolução do produto.

Medidor de pH: medidor de pH composto por uma sonda de alta temperatura e um instrumento de leitura instalado no painel.

Medidor de vapor de vapor: conectado ao microprocessador da máquina para registrar o consumo de vapor do ciclo.

Medidor de consumo elétrico: conectado ao microprocessador da máquina para registrar o consumo elétrico do ciclo.

Ar condicionado: ar condicionado de painel elétrico com capacidade de refrigeração adequada com fonte de alimentação trifásica.

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.

MQD, machine quick drain, by main circulation pump.

***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.*

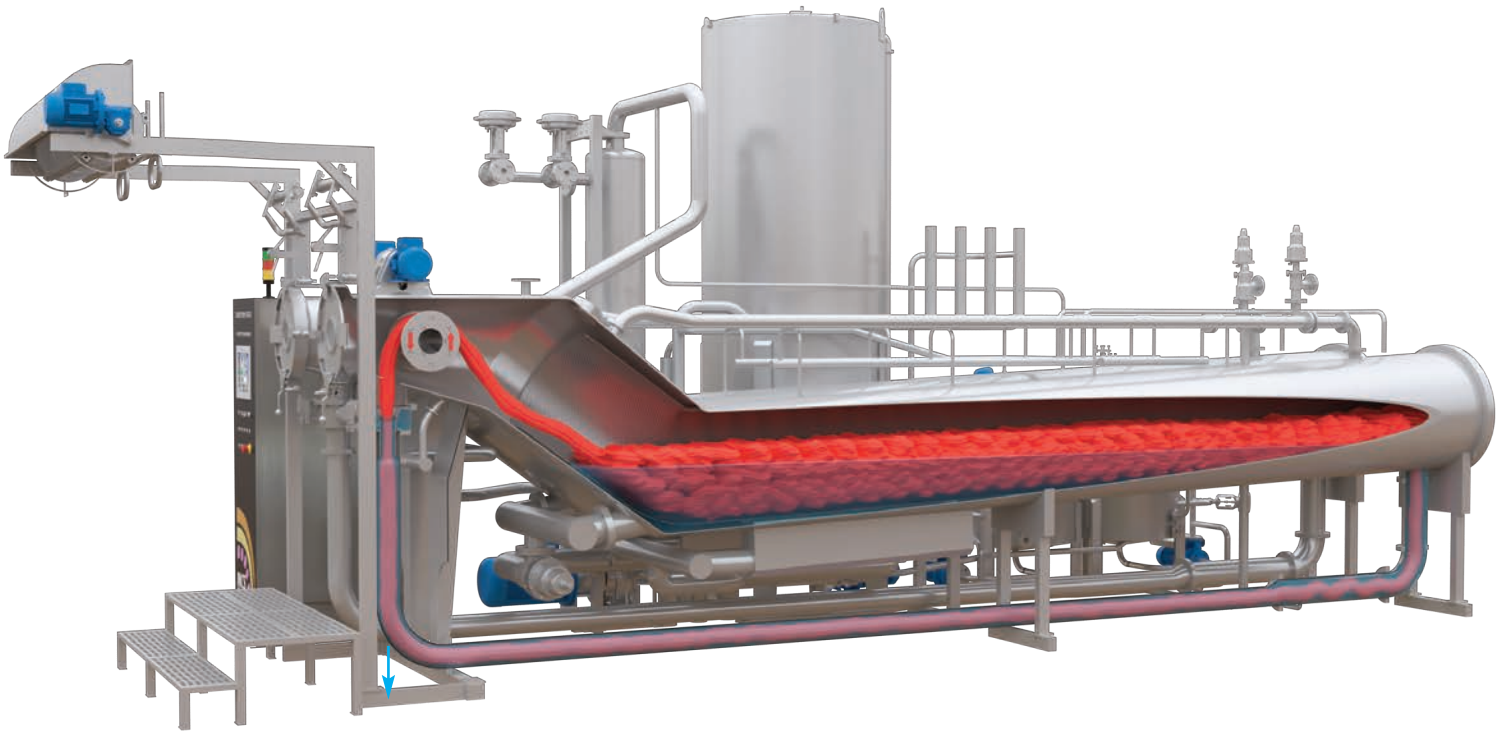
***pH-Meter:** composed of high temperature probe and reading instrument installed in the panel.*

***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.*

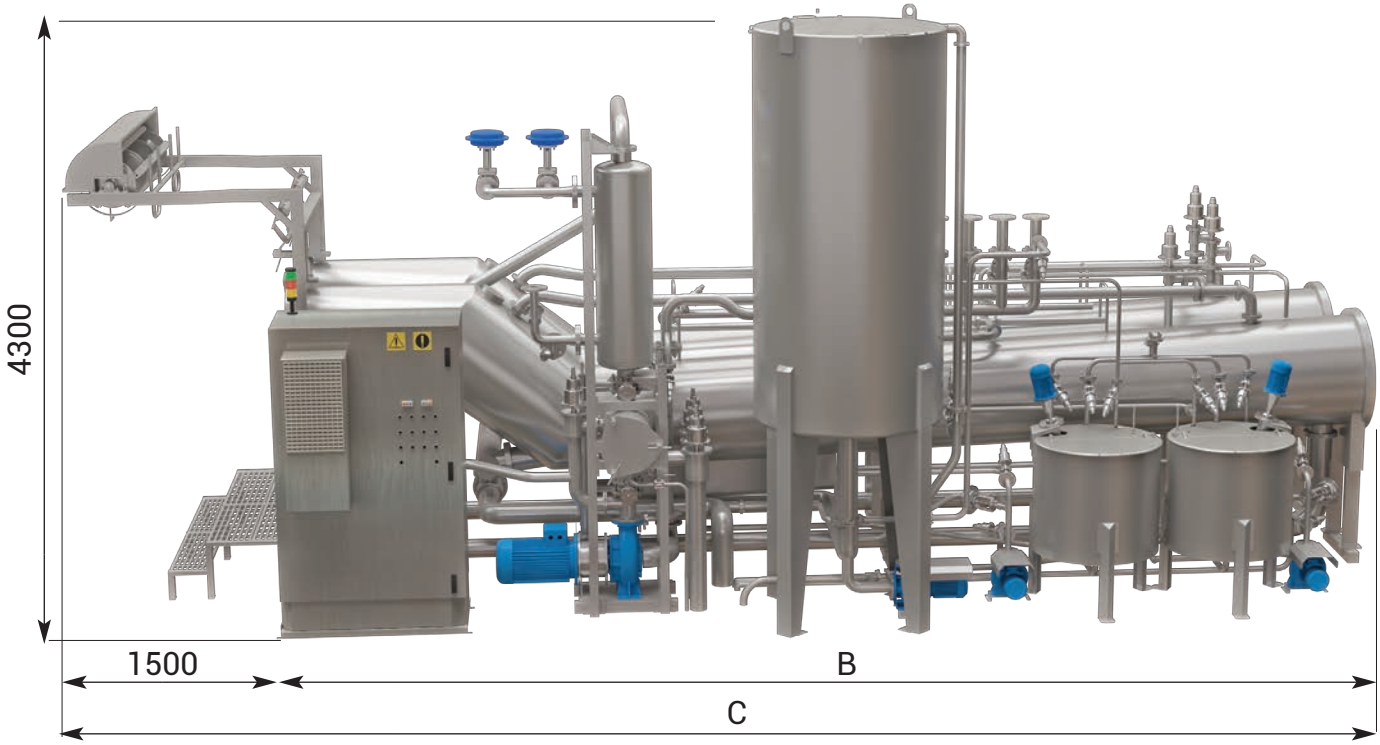
***Conditioner:** Air conditioner with adequate cooling power with 3-phase power supply.*

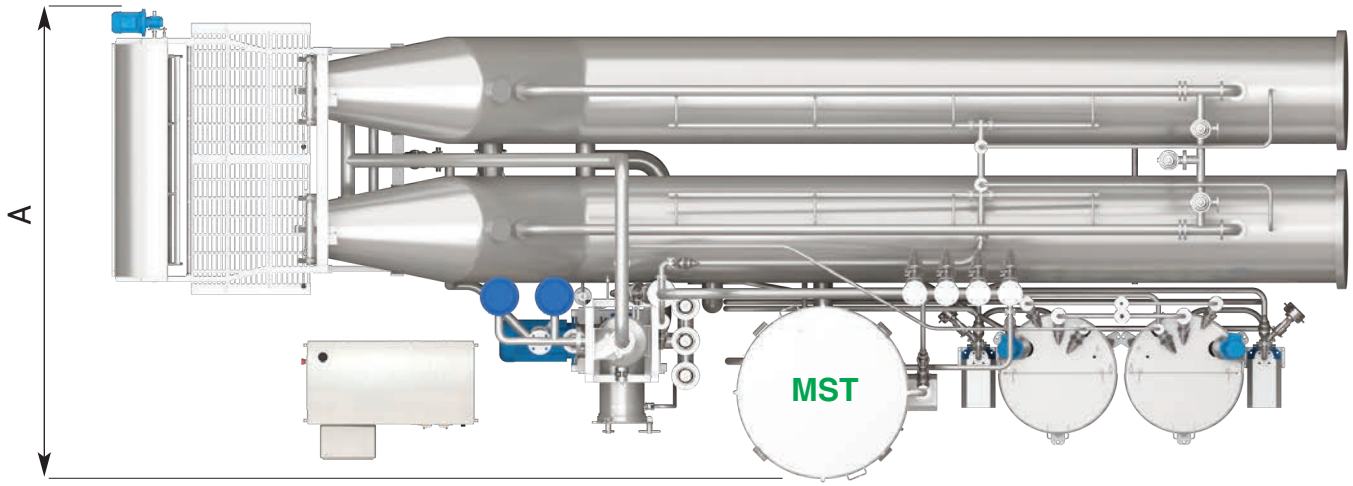
-20% RUN TIME WITH MST+MQD



LIQUOR RATIO 6 + FABRIC ABSORPTION

MODELS DATA

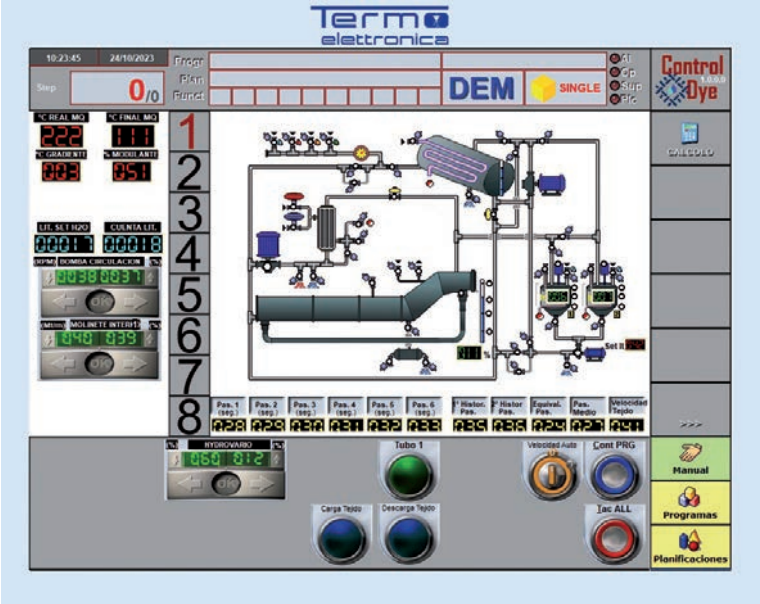




MODEL	Loading [Kg]	Rope n.]	A [mm]	B [mm]	C [mm]
EFS-1-54	50-70	1	1900	5550	7000
EFS-1-74	150	1	2300	7550	9000
EFS-1-94	200	1	2300	9550	11000
EFS-2-74	300	2	3150	7550	9000
EFS-2-94	400	2	3150	9550	11000
EFS-3-74	450	3	4530	7550	9000
EFS-3-94	600	3	4530	9550	11000
EFS-4-74	600	4	5500	7550	9000
EFS-4-94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

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

CTRL DYE



Painel de operador desenvolvido no windows para implementar de forma avançada todas as funções de diagnóstico, monitoramento e automação das máquinas de tingimento.

Pantalla toque 15", projetado especificamente para uso industrial: cada função é mais fácil e imediatamente acessível.

A pedido, você pode usar qualquer micro disponível no mercado.

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

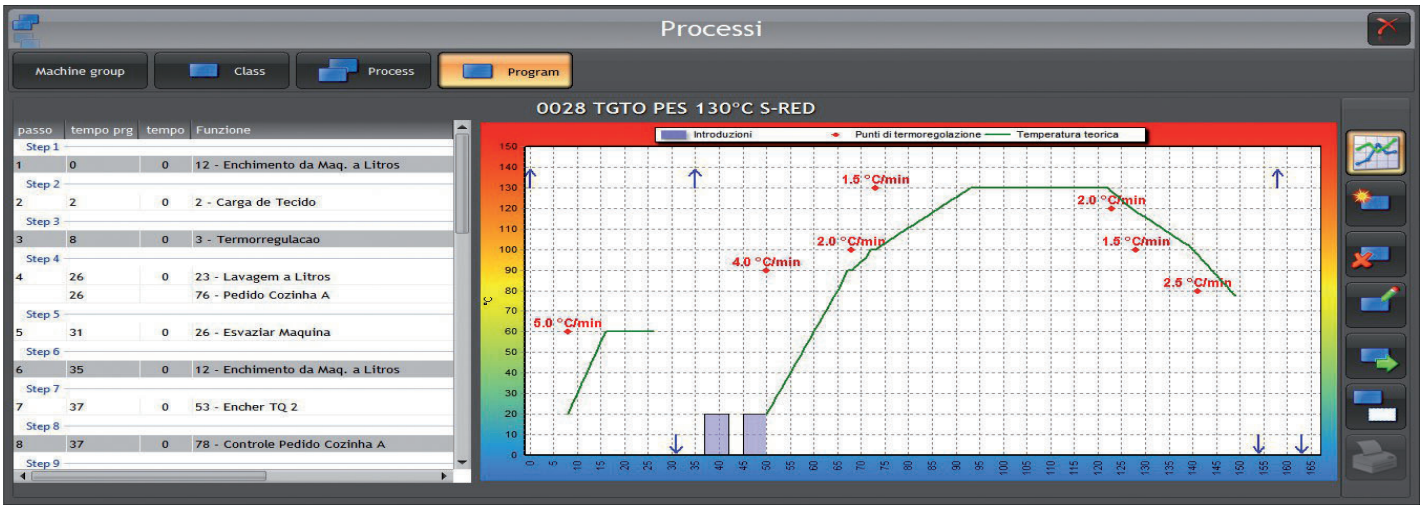
***With Touch-Screen 15",** purposely designed for industrial use, the access to functions is easy and immediate.*

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

TEXMANAGER 4.0

Software de gestão de produção integrada que inclui:
Gestão do pessoal
Optimização dos recursos humanos
Gestão de máquinas
Gestão de departamentos de produção
Gestão de armazéns

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

THINK BEFORE YOU PRINT

ROADMAP TO ZERO

DYEING & FINISHING MACHINERY

MCS

Bergamo | Italy | mcstextile.it

buca18.it -01-26