

MCS

DYEING & FINISHING MACHINERY



WR SOFT

ROPE PREPARATION & WASHING RANGE



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 ownership.

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.



WR SOFT

ROPE WASHING RANGE

WR SOFT é adequada portanto para os seguintes tratamentos base:

Preparação

pré-lavagem dos brutos e tingidos em linha, desbaste e limpeza de artigos de malha e teia e trama

Branqueamento

são tratados artigos em malha ou tecido de algodão, CO/PES, CO/VIS, com peróxido, na mesma passagem branqueia-se e lavase

Lavagem

Lavagem e ensaboamento após tingimento dos tingidos reactivos com sistemas descontínuos do tipo jacto de transbordamento

- Para neutralizar após mercerização
- Lavagem a quente após branqueamento a frio para armazenamento
- Lavagem e ensaboamento após tingimento por maturação (Pad-Batch)
- Lavagem após estampagem mesmo dos artigos em viscose de Licra
- Lavagem de tecidos de lã para desbaste e limpeza

Gestão integral da linha através de PC INDUSTRIAL COM ECRÃ TÁCTIL

WR SOFT 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.

WR SOFT is suitable for following fundamental treatments:

Preparation

pre-washing of grey and yarn-dyed fabrics, desizing and scouring for woven and knitted fabrics

Bleaching

processing of knits and woven fabrics, COTT/PES, COTT/VIS, with peroxide. The whole operation, from scouring to washing or rinsing and softening after bleaching, is carried out in one step on this machine

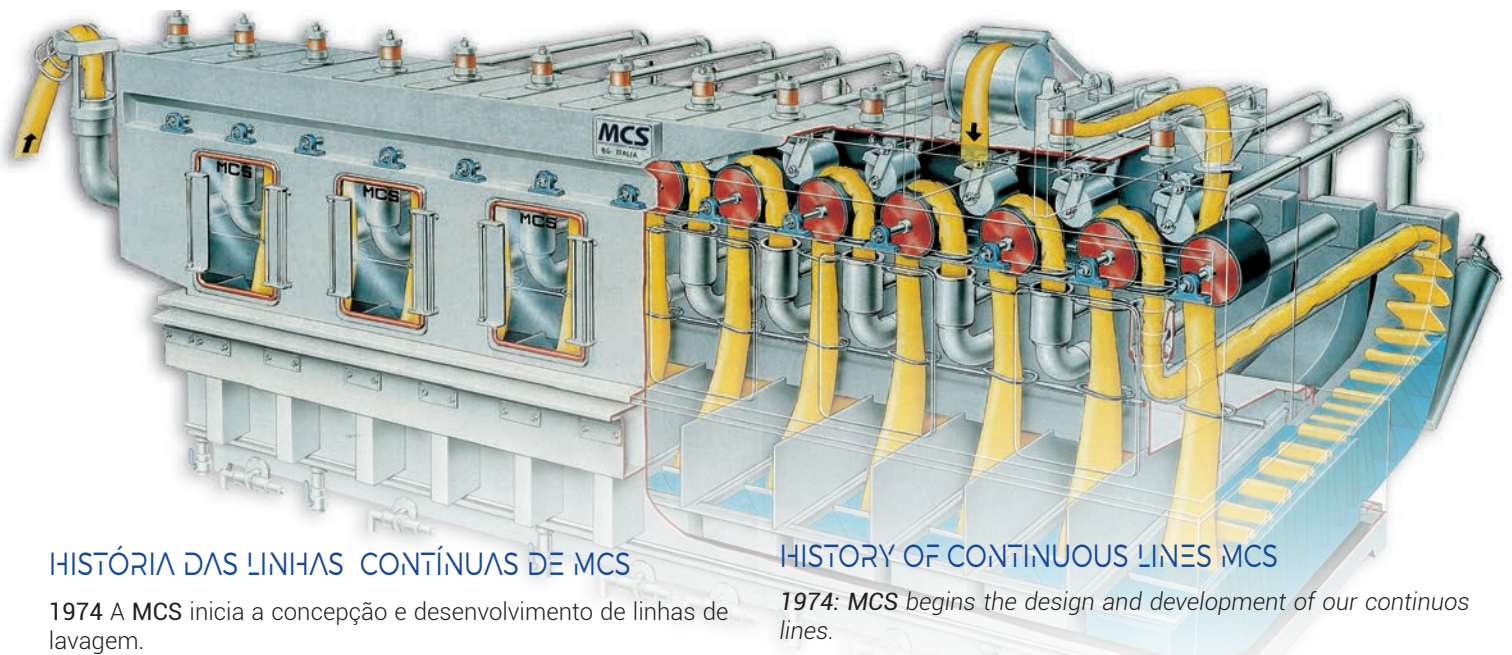
Washing

Washing and soaping of batch wise dyed wovens and knits (this procedure gives dramatic savings of water and steam)

- Neutralization after mercerization
- Washing after cold pad-batch bleaching
- Washing and soaping after dyeing at pad-batch dyeing
- Washing after printing, including sensitive fabrics as lycra/nylon, etc
- Washing of wool fabrics for desizing and scouring
- Full management of the line via INDUSTRIAL PC TOUCH SCREEN

WR SOFT 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 LINHAS CONTÍNUAS DE MCS

1974 A MCS inicia a concepção e desenvolvimento de linhas de lavagem.

1983 ITMA - Milano: MCS expõe a primeira gama para lavagem em corda WR

1991 ITMA - Hannover: MCS expõe a primeira gama de lavagens combinadas LAVAPRINT

2011 ITMA - Barcellona: MCS expõe a gama de lavagem de tambor STARWASH

2015 ITMA - Milano: MCS espone la prima gamma di lavaggi in corda compatti MULTIWASH

2019 ITMA - Barcellona: MCS a presenta STARWASH-EVO

2023 ITMA - Milano: MCS a presenta MULTIWASH-M

HISTORY OF CONTINUOUS LINES MCS

1974: MCS begins the design and development of our continuous lines.

1983 ITMA - Milan: MCS exhibits the first rope wahing range WR

1991 ITMA - Hannover: MCS exhibits the first combined washing range LAVAPRINT

2011 ITMA - Barcelona: MCS exhibits the drum washing range STARWASH

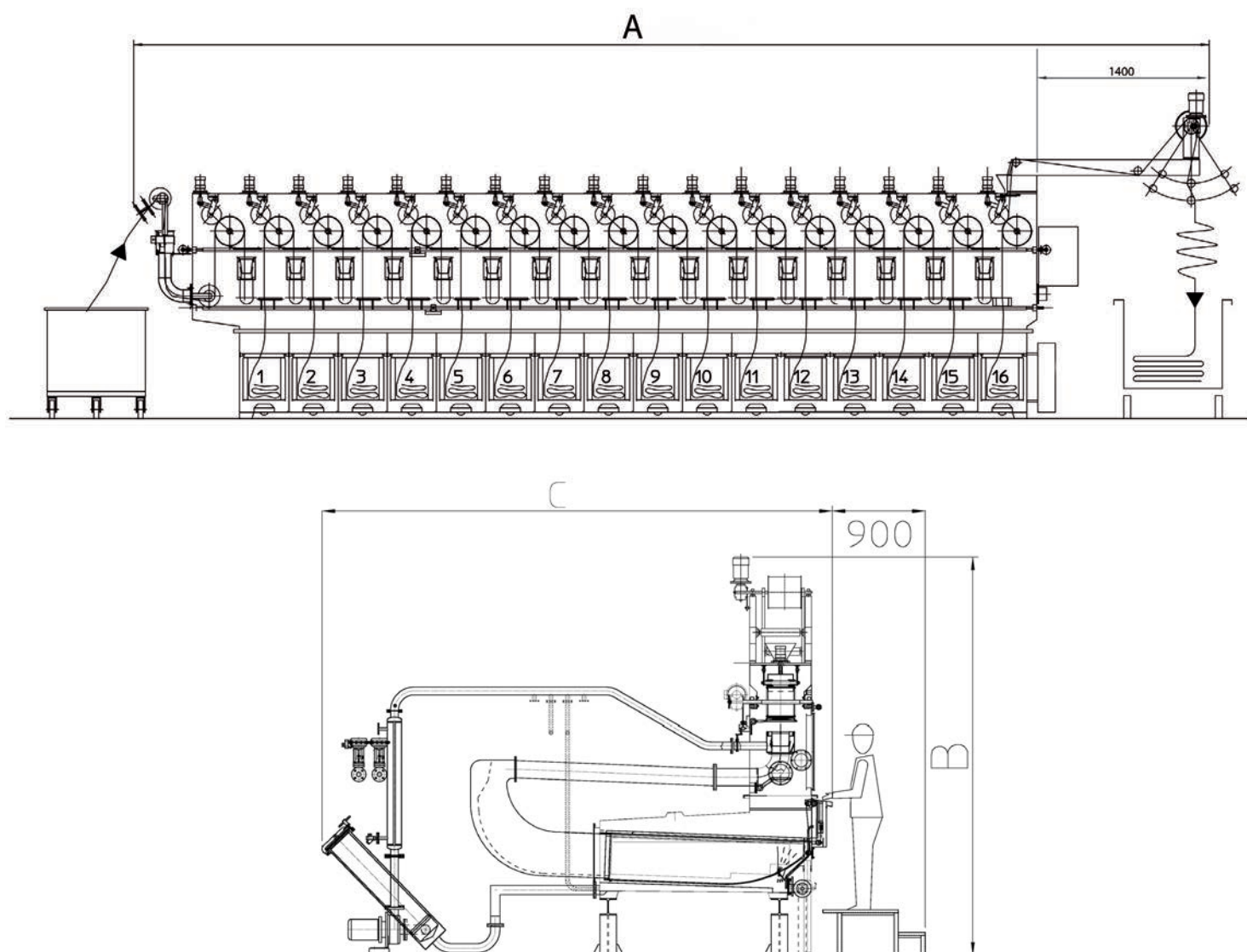
2015 ITMA - Milan: MCS exhibits the first compact washing range MULTIWASH

2019 ITMA - Barcelona: MCS exhibits the STARWASH-EVO

2023 ITMA - Milan: MCS exhibits the first modular washing range MULTIWASH-M

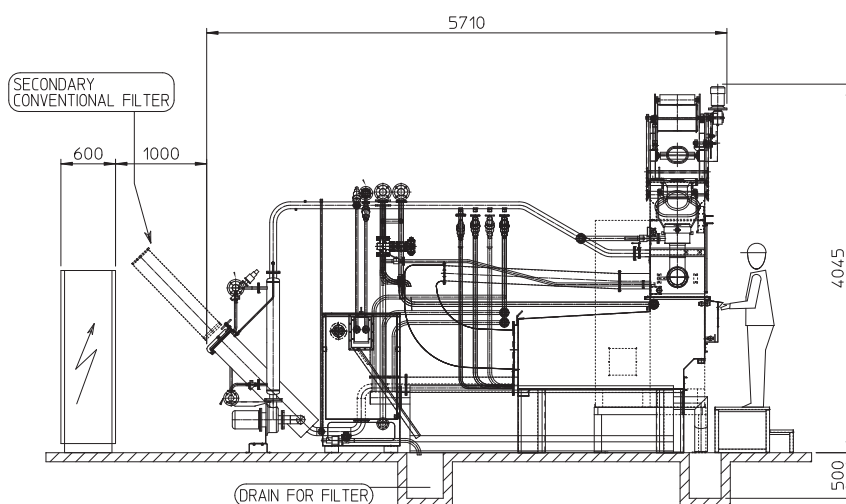
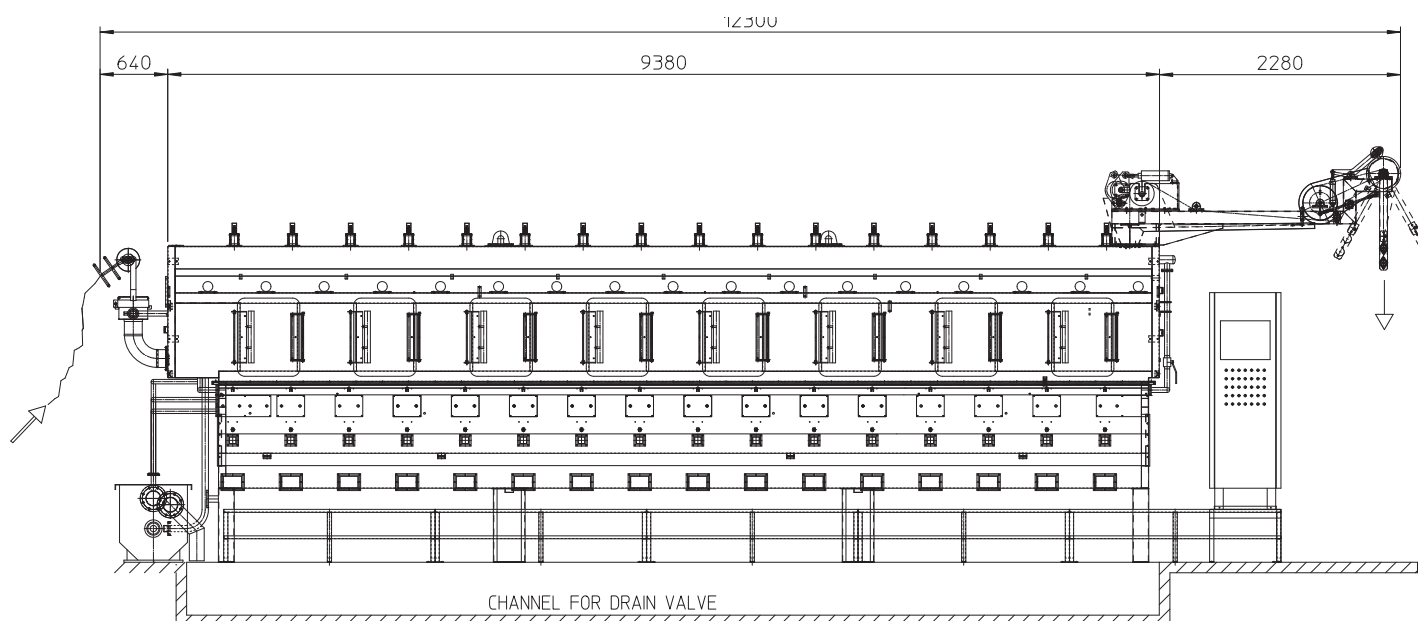
MODELS DATA

STANDARD VERSION



WR	WR-4	WR-6	WR-8	WR-10	WR-12	WR-14	WR-16
A [mm]	4900	5900	6900	7900	8900	9900	10900
B [mm]	2450	2450	2450	2450	2450	2450	2450
C [mm]	3500	3500	3500	3500	3500	3500	3500
Trough Capacity [kg]	40	40	40	40	40	40	40
Trough Capacity [lb]	90	90	90	90	90	90	90
Water Consumption [l/kg]	15 ÷ 30	15 ÷ 30	15 ÷ 30	15 ÷ 30	15 ÷ 30	15 ÷ 30	15 ÷ 30
Speed [m/1']	8 ÷ 80	8 ÷ 80	8 ÷ 80	8 ÷ 80	8 ÷ 80	8 ÷ 80	8 ÷ 80
T max [°C]	98	98	98	98	98	98	98
Installed Power [Kw]	13,5	19,5	25,5	31	37	43	49

Please take note that technical data may be changed by MCS spa to improve the quality of the offered product.

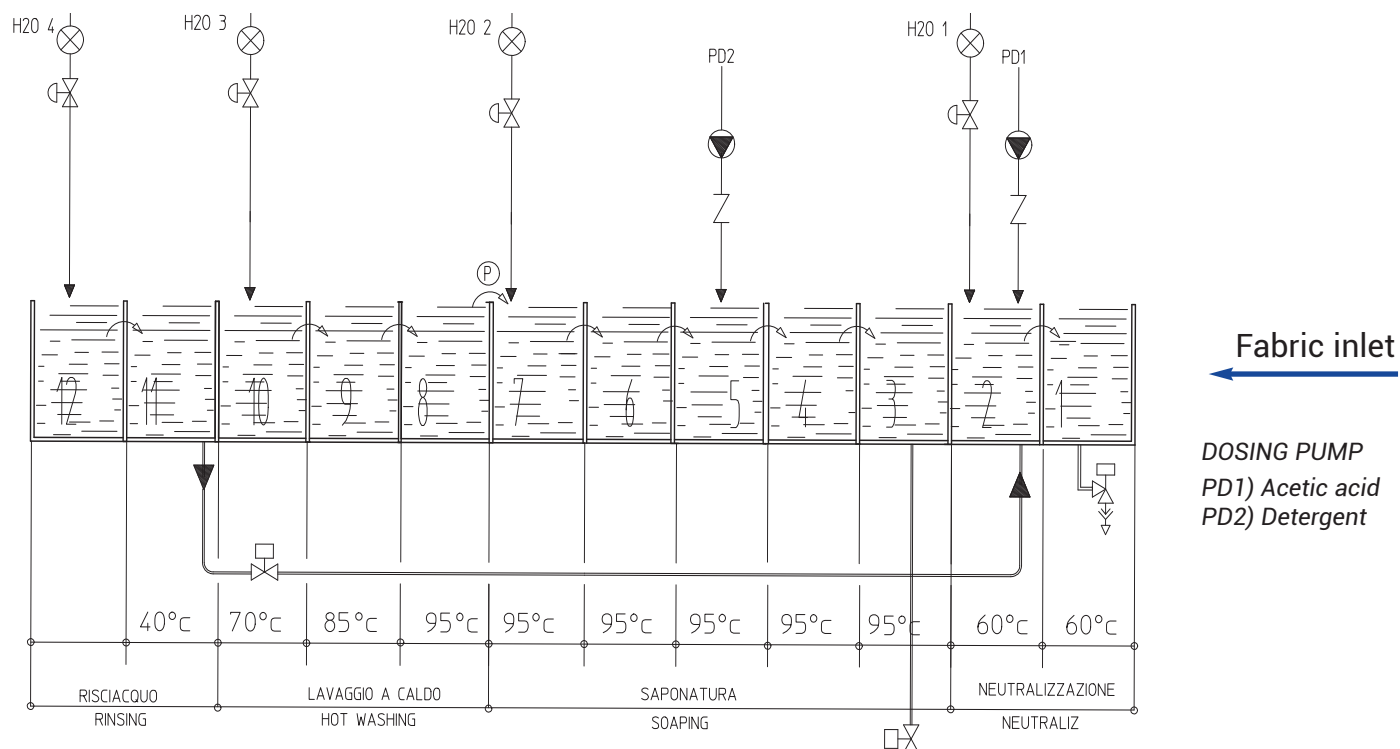


**+
SELF
CLEANING
FILTER
SCF**

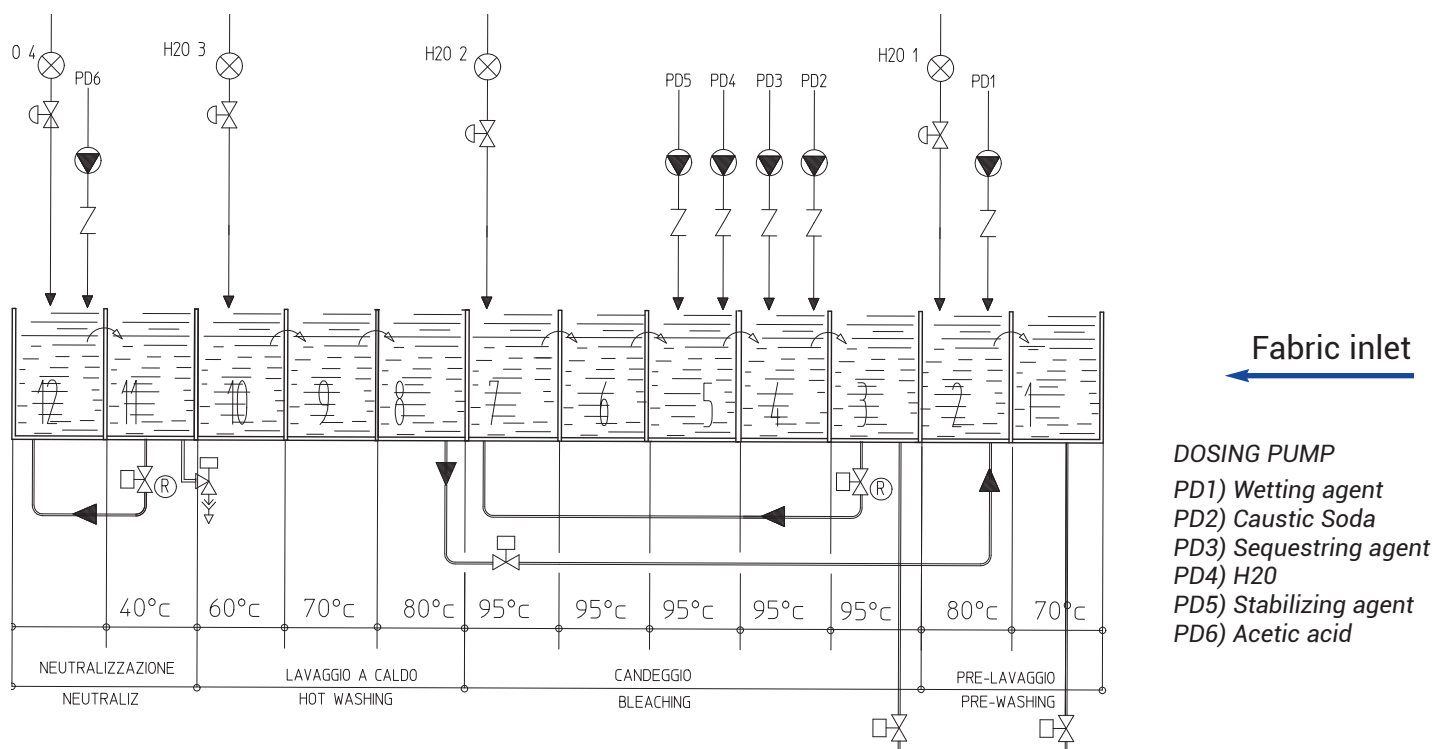
WR Soft - JUMBO	WRJ-4	WRJ-6	WRJ-8	WRJ-10	WRJ-12	WRJ-14	WRJ-16
A [mm]	-	-	7760	8860	9960	10060	12160
B [mm]	-	-	3800	3800	3800	3800	3800
C [mm]	-	-	5600	5600	5600	5600	5600
Trough Capacity [kg]	-	-	50	50	50	50	50
Trough Capacity [lb]	-	-	110	110	110	110	110
Water Consumption [l/kg]	-	-	11 ÷ 25	11 ÷ 25	11 ÷ 25	11 ÷ 25	11 ÷ 25
Speed [m/1']	-	-	8 ÷ 80	8 ÷ 80	8 ÷ 80	8 ÷ 80	8 ÷ 80
T max [°C]	-	-	98	98	98	98	98
Installed Power [Kw]	-	-	39	47	55	64	72

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WASHING OFF REACTIVE DYEING

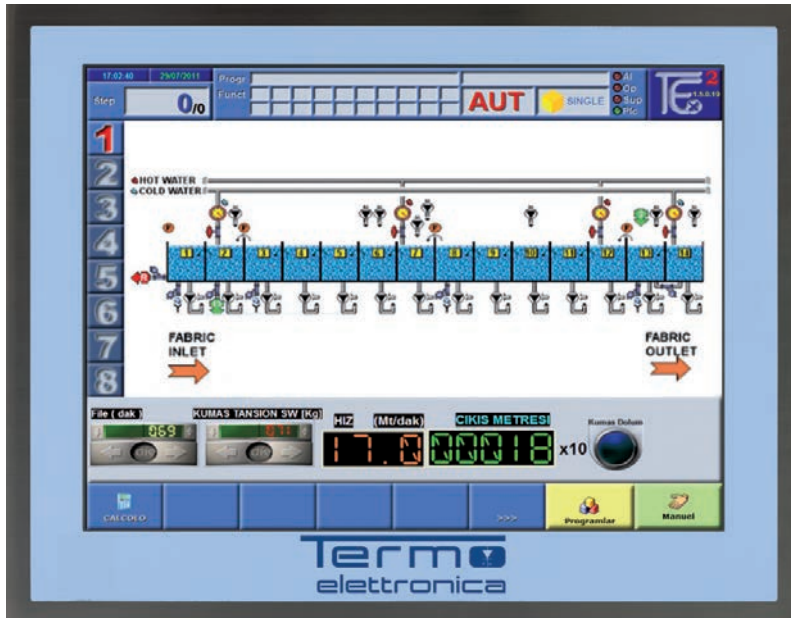


BLEACHING and WASHING



ALL WASHING LINES ARE AUTOMATED WITH TEMOELETRONICA SOFTWARE AND CONTROLLERS

CTRL-WASH



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.

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.

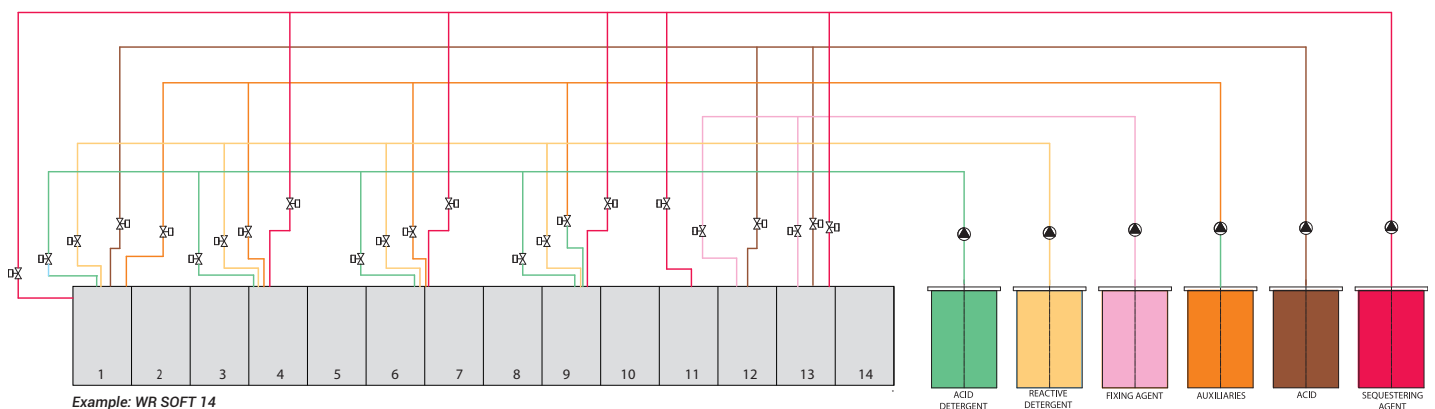
CONT-DOSING Dosing of pure products and water control in a washing line

O sistema **CONT-DOSING** é um sistema gerenciado por um PC em comunicação com um PLC; pode controlar até 8 bombas dosadoras e controlar até 8 entradas de água.

As bombas dosadoras utilizadas são de efeito duplo pistão pneumático: a frequência de controle é calculada para evitar mudanças repentinas e na concentração do banho.

The CONT-DOSING system is a system managed by a PC communicating with a PLC which can control up to 8 dosing pumps and 8 water inlets.

Installed dosing pumps are with pneumatic piston at double effect. Pump control frequency values are calculated so as to avoid sudden changes in the concentration of the bath.



TEX-LINE 4.0 Software integrated for washing lines

- Gestão da parametrização da linha
- Gestão de planejamento
- Controle de dados da máquina em tempo real
- Base de dados de artigos
- Parametrization Handling
- Batches Handling
- Real time machines supervising
- Fabrics database

FEEL THE POWER OF WATER

DYEING & FINISHING MACHINERY



MCS

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THINK BEFORE YOU PRINT