



MCS

DYEING & FINISHING MACHINERY



WR SOFT

ROPE PREPARATION & WASHING RANGE



OUR HISTORY

DYEING & FINISHING MACHINERY

MCS

MCS & TERMO INNOVATION ZONE

BLUE
AREA

COMMISSION ECO-DYEHOUSE

EUROPIZZI

AUTOMATION & SOFTWARE

Termo
elettronica



mcsgroup.it
Bergamo - Italy

member of
ACIAIT
ITALIAN TEXTILE MACHINERY

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,
- Tempopowder 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 è idonea ai seguenti trattamenti di base:

Preparazione

iprelavaggio dei greggi e tinti in filo, sbozzima e purga di articoli maglia e trama a catena

Candeggio

si trattano articoli di maglia o tessuto di cotone, CO/PES, CO/VIS, con perossido, nello stesso passaggio si candeggia e si lava

Lavaggio

Lavaggio e saponatura dopo tintura dei reattivi tinti con sistemi discontinui tipo overflow-jet

- Per neutralizzare dopo mercerizzo
- Lavaggio a caldo dopo candeggio a freddo per stoccaggio
- Lavaggio e saponatura dopo tintura a Pad-Batch
- Lavaggio dopo stampa anche di articoli di Lycra viscosa
- Lavaggio di tessuti di lana per sbozzima e purga
- Gestione totale della linea con PC INDUSTRIALE TOUCH SCREEN

WR SOFT è interamente ingegnerizzata e costruita in MCS.

Ogni nuovo modello viene testato ed esposto, in INNOVATIVE BLUE AREA integrato nella tintoria del gruppo 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

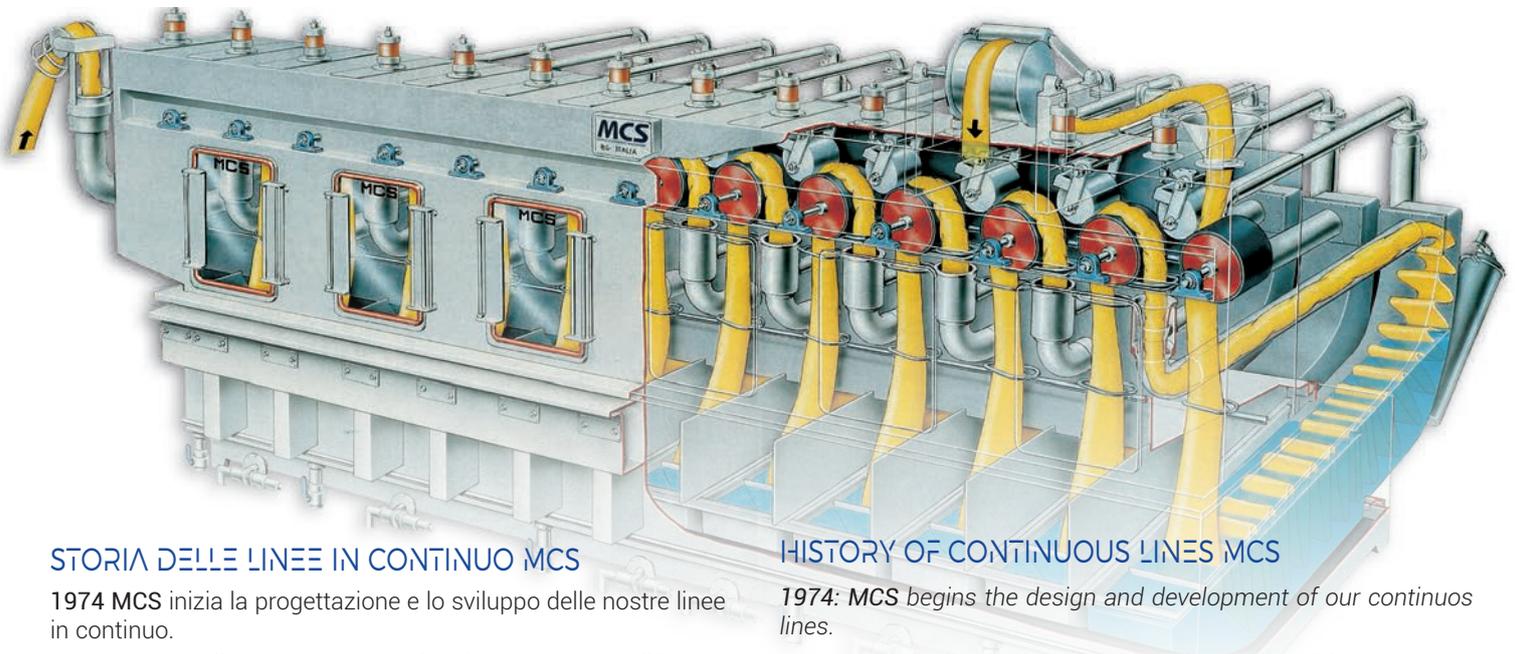
Washing

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.



STORIA DELLE LINEE IN CONTINUO MCS

1974 MCS inizia la progettazione e lo sviluppo delle nostre linee in continuo.

1983 ITMA - Milano: MCS espone la prima gamma per il lavaggio in corda WR

1991 ITMA - Hannover: MCS espone la prima gamma di lavaggi combinati LAVAPRINT

2011 ITMA - Barcellona: MCS espone la gamma di lavaggio a tamburo STARWASH

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

2019 ITMA - Barcellona: MCS presenta STARWASH-EVO

2023 ITMA - Milano: MCS 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 washing range WR

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

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

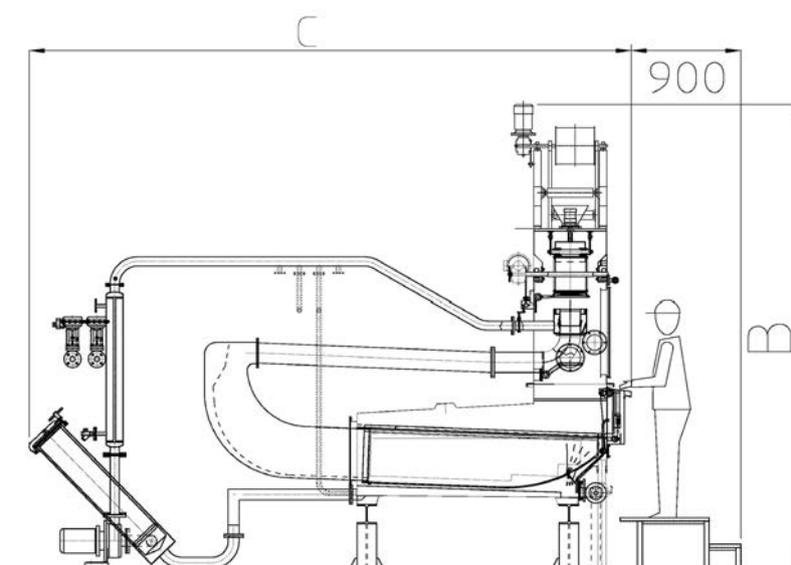
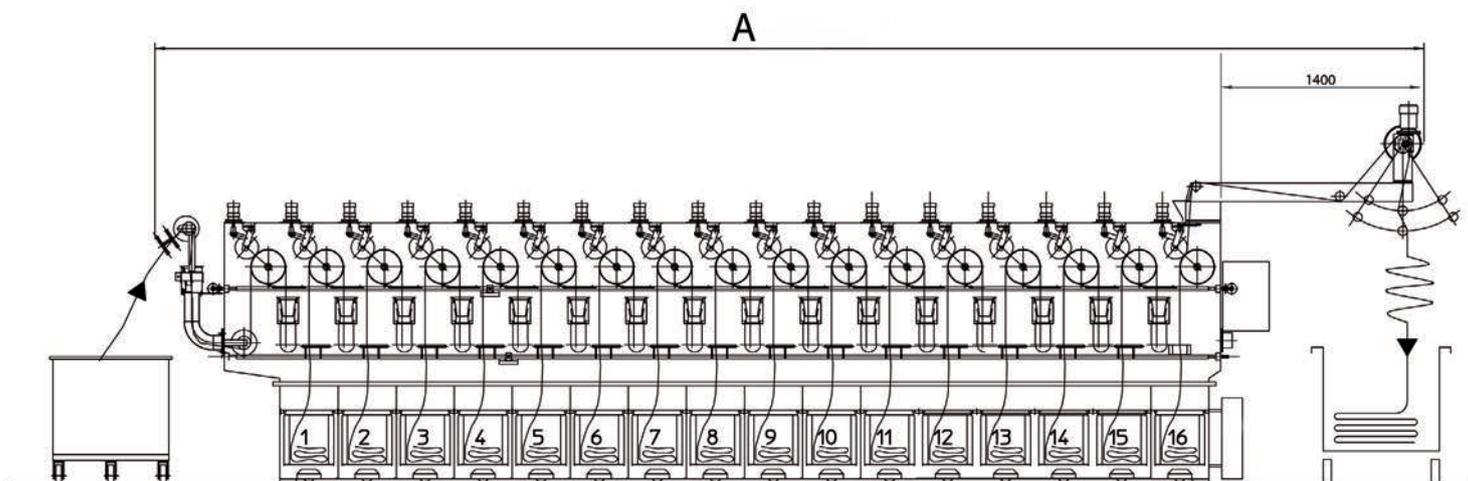
2015 ITMA - Milan: MCS exhibits the first compact washing range MULTIWASH

2019 ITMA - Barcelona: MCS exhibits the STARWASH-EVO

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

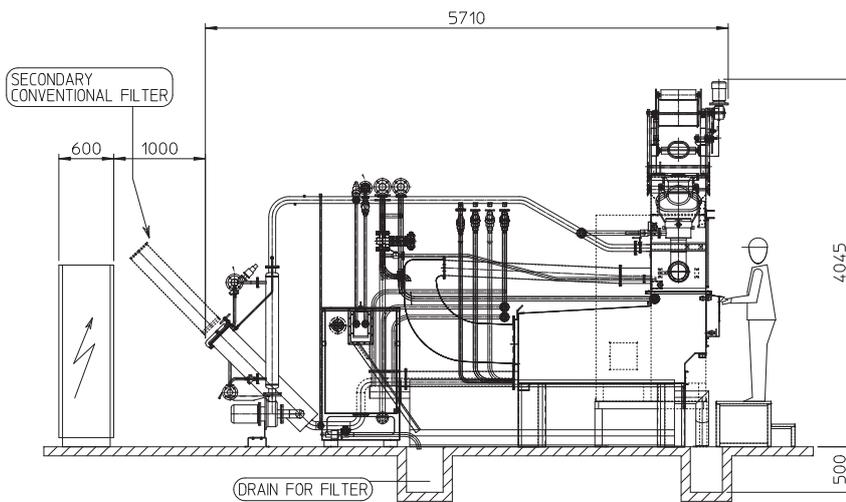
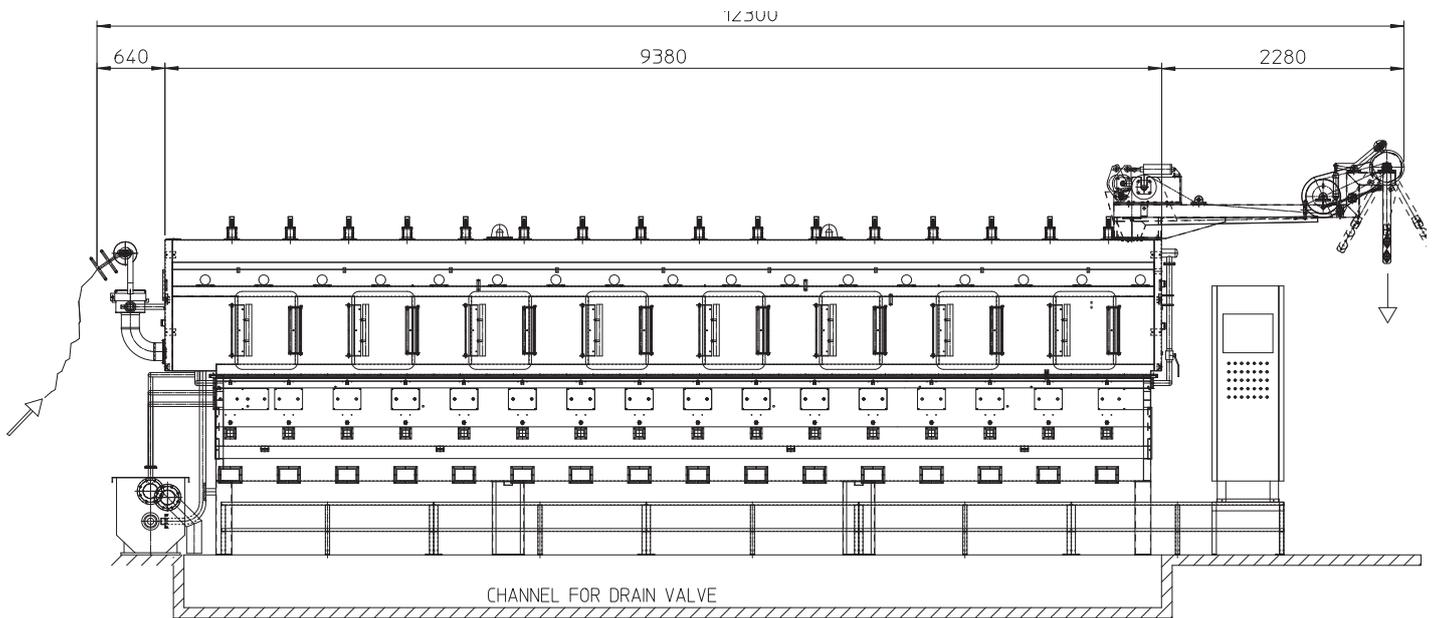
MODELS DATA

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

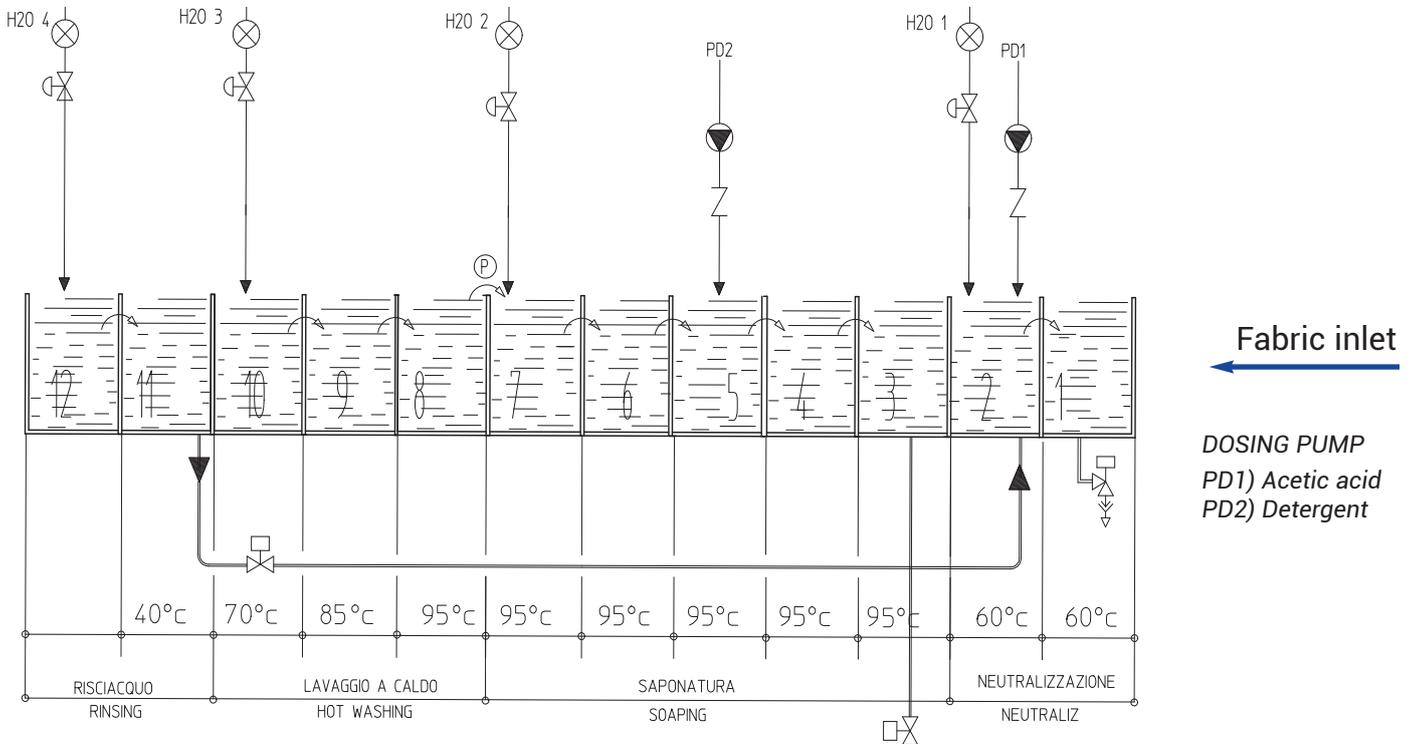
WR Soft - JUMBO	WRJ-4	WRJ-6	WRJ-8	WRJ-10	WRJ-12	WRJ-14	WRJ-16
A [mm]	-	-	7760	8860	9960	10060	12160
B [mm]	-	-	3800	3800	3800	3800	3800
C [mm]	-	-	5600	5600	5600	5600	5600
Trough Capacity [kg]	-	-	50	50	50	50	50
Trough Capacity [lb]	-	-	110	110	110	110	110
Water Consumption [l/kg]	-	-	11 ÷ 25	11 ÷ 25	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

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

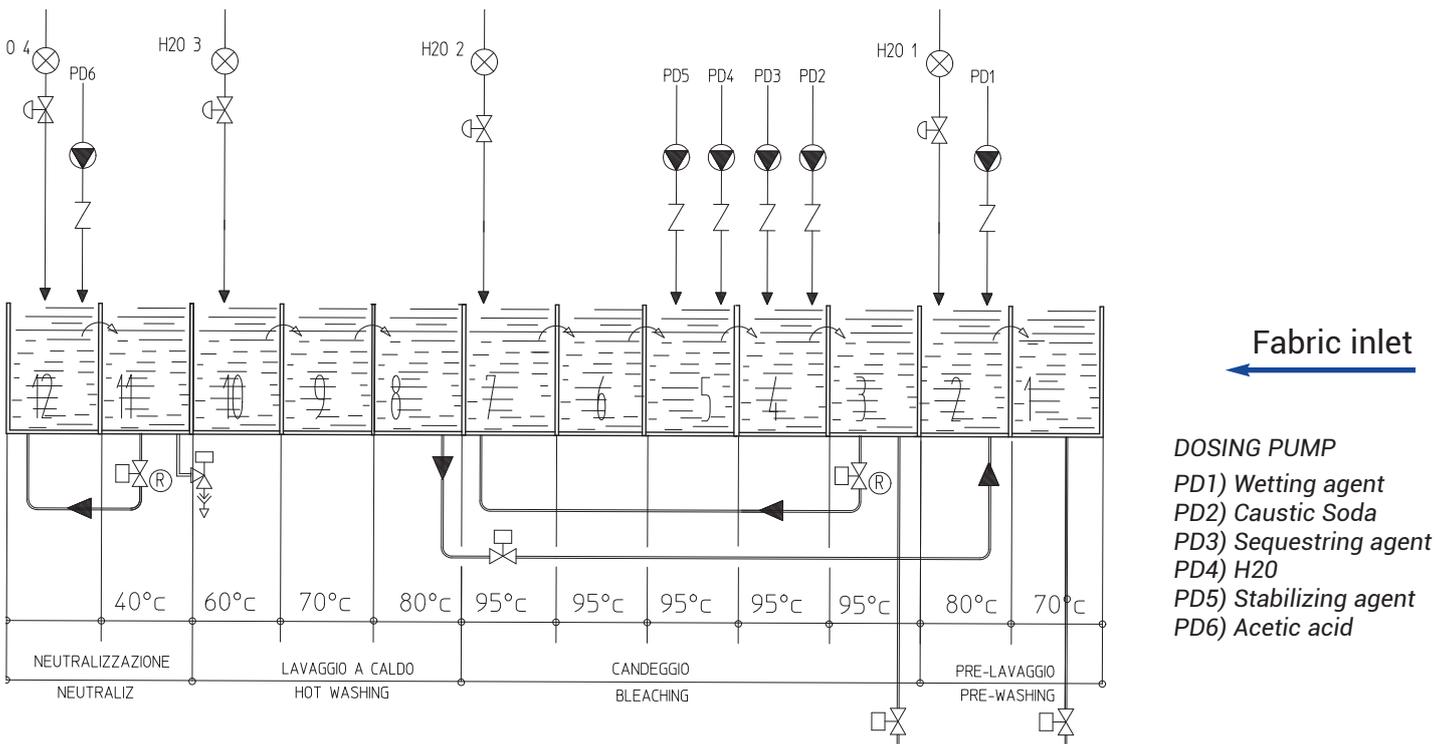
MODELS DATA

WR 12 SOFT: EXAMPLES TECHNOLOGICAL PROCESSES

WASHING OFF REACTIVE DYEING

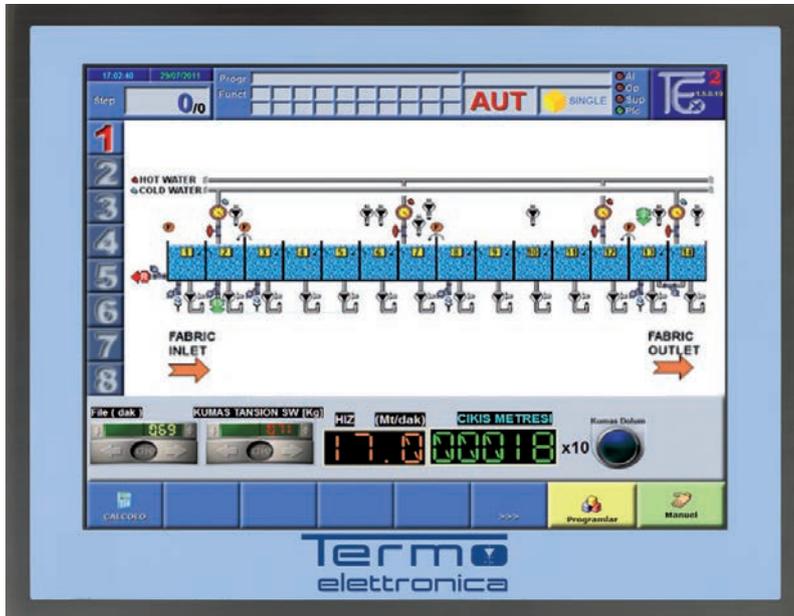


BLEACHING and WASHING



ALL WASHING LINES ARE AUTOMATED WITH TEMOELETRONICA SOFTWARE AND CONTROLLERS

CTRL-WASH



Pannello operatore sviluppato in ambiente windows per implementare in modo avanzato tutte le funzionalità diagnostiche, di monitoraggio e di automazione delle macchine di tintura.

Schermo tattile touch-screen da 15", progettato espressamente per l'impiego industriale, ogni funzionalità risulta di facile ed immediato accesso.

A richiesta è possibile l'impiego di qualsiasi micro disponibile sul mercato.

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.

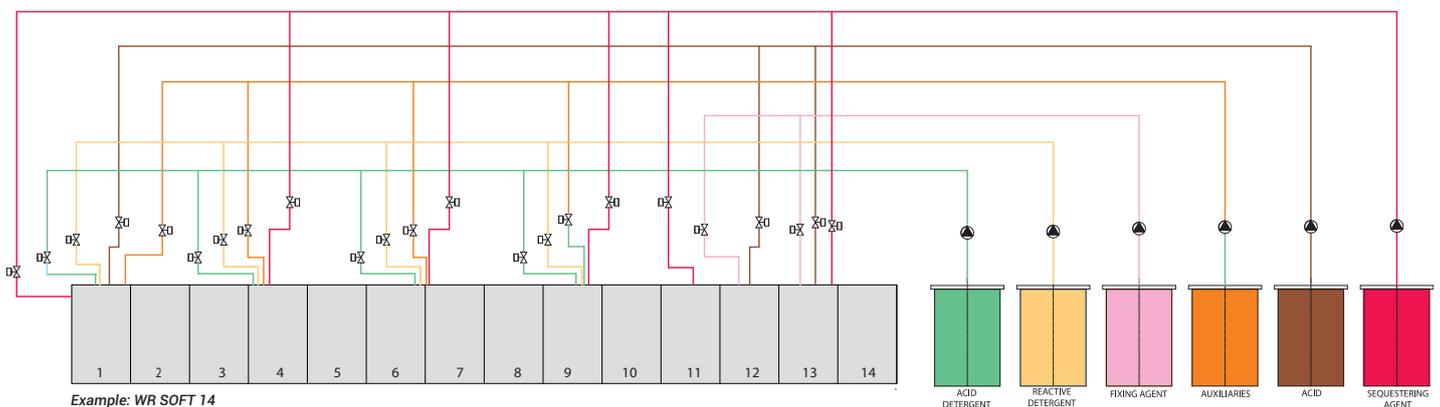
CONT-DOSING Dosing of pure products and water control in a washing line

Il sistema **CONT-DOSING** è un sistema gestito da un PC in comunicazione con un PLC; può comandare fino a 8 pompe dosatrici e controllare fino a 8 ingressi d'acqua.

Le pompe dosatrici usate sono a pistone pneumatico a doppio effetto: la frequenza di comando è calcolata in modo da evitare repentine e variazioni della concentrazione del bagno.

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.



Example: WR SOFT 14

TEX-LINE 4.0 Software integrated for washing lines

- Gestione parametrizzazioni linea
- Gestione delle pianificazioni
- Controllo real time dati macchina
- Database degli articoli
- Parametrization Handling
- Batches Handling
- Real time machines supervising
- Fabrics database

FEEL THE POWER OF WATER

DYEING & FINISHING MACHINERY



MCS

Bergamo | Italy | mcstextile.it



THINK BEFORE YOU PRINT