member of
ACIMIT
ITALIAN TEXTILE MACHINERY

ENG/ITA

MCS
DYEING & FINISHING MACHINERY

SOFTFLOW 18

HORIZONTAL HT & LT ROPE DYEING MACHINE

THINK BEFORE YOU PRINT

OUR HISTORY

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.

SOFTFLOW-18

HT ROPE DYEING MACHINE

Softflow-18 è una macchina per la tintura in corda in alta temperatura (max 144°C).

È una macchina a deposito orizzontale , idonea per tessuti sia a maglia che ortogonali a grammature variabili anche le piu delicate, grazie all utilizzo di sistemi di controllo evoluti. Il corpo macchina puo contenere da una a tre vaschea diveersa con capacità di carica variabile a seconda del modello e dalla versione prescelta.

Considerando una fibra cellulosica a maglia con peso di 250 g/lin.m, le capacità di carica sono quelle indicate in tabella a pag. 6

Tutte le parti interne della macchina in contatto con il tessuto sono costruite impiegando acciaio inossidabile AISI 316/AISI 316 L. certificato.

Softflow-18 è interamente ingegnerizzata e costruita in MCS e testata presso l'area Blue R&D di MCS.

Softflow-18 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 even the most delicate, thanks to the use of advanced control systems. The camera body can contain from one to three different vessels with variable charging capacity 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.

Softflow-18 is fully engineered and built in MCS and tested in the Blue R&D area of MCS.

HISTÓRIA DAS MÁQUINAS DE TINGIMENTO EM CORDA MCS

1967 ITMA - **Parigi: MCS espone** il primo modello di jet a bassa temperatura.
1979 ITMA - **Hannover: MCS espone** JET-HT e OVERFLOW MO/80 LT
1983 ITMA - **MIlano: MCS espone** SOFTFLOW 82 HT e FLO-JET OF83 HT
1987 ITMA - **Parigi: MCS espone** PANDORA HT
1995 ITMA - **Milano: MCS espone** SOFTFLOW 100 HT, LONG HORN HT.
1999 ITMA - **Parigi: MCS espone** MULTIFLOW HT, SOFTFLOW 100 SUPERIOR HT
2000: **MCS presenta** la EUROFLOW LONG
2003 ITMA - **Birmingham:** MCS espone: MULTIFLOW SUPERIOR.
2007 ITMA - **Monaco: MCS espone** FIRST HT
2011 ITMA - **Barcellona: MCS espone** DYNAMICA HT
2015 ITMA - **Milano: MCS espone** DYNAMICA SPRINT HT
2019 ITMA - **Barcellona: MCS presenta** SOFTFLOW 18 HT, espone DYNAMICA SPRINT HT
2020: **MCS Progetta** EUROFLOW SPORT
2023: **ITMA Milano: MCS Espone** CHRONOFLOW e SOFTFLOW 18 HT

MCS 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

SOFTFLOW-18

HT ROPE DYEING MACHINE

CARATTERISTICHE

Pompa di circolazione con motore a giri variabili.
Sistema di deposito a doppia camera
Inclinazione macchina preselezionabile
Ugello a flusso variabile a comando elettronico
Aspo interno di grande diametro
Filtro principale autopulente in mandata pompa SCSF
Regolazione automatica con PC industriale touch screen
Controllo di livello continuo / ricerca cuciture / circolazione pezza
Lavaggio multiplo pareti interne
Sistema di ricircolo ed introduzione per diluizione sale
Sistema scarico bagno rapido modello MQD
Faldatore interno di deposito tessuto
Possibilità di tintura in doppia corda
Possibilità gemellaggio macchine
Assistenza remota

MAIN FEATURES

Pump suction *with variable speed motor*
Fabric storage *system with double tank*
Preselectable *machine inclination*
Variable flow *injector with eletronical control*
Big internal *REEL*
Self-cleaning *filter in main delivery pump model SCSF*
Operation panel *touch-screen*
Continuous *level control / seam detector / fabric run control*
Multiple *wash wall machine*
System for the reduction liquor *recycling and salt introduction*
Drain *by main pump, mod. MQD*
Internal *plaiter for fabric deposit*
Possibility *to work in double rope*
Twinning *operation option*
Remote support

SOFTFLOW-18

HT ROPE DYEING MACHINE

LR : 5 +FABRIC ABSORTION

CARATTERISTICHE

MST (machine side tank): serbatoio di preparazione bagno con sistema di controllo e gestione del livello tramite sonda pneumatica per la riduzione dei tempi morti nelle fasi di riempimento bagno.

Pannello operatore: è possibile l'impiego di qualsiasi micro disponibile sul mercato.

Serbatoio prodotti aggiuntivo: Secondo serbatoio di aggiunta prodotti completo di mixer, sonda pneumatica, serpentino di riscaldamento e ricircolo bagno macchina per facilitare le funzioni di miscelazione e scioglitura prodotti.

pH-Metro: Misuratore di PH composto da sonda per alta temperatura e strumento di lettura installato nel quadro.

Misuratore di portata vapore: collegato al microprocessore macchina per registrazione consumi vapore del ciclo.

Misuratore di consumo elettrico: collegato al microprocessore macchina per registrazione consumi elettrici del ciclo.

Condizionatore: condizionatore su quadro elettrico di adeguata potenza frigorifera con alimentazione trifase.

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.*

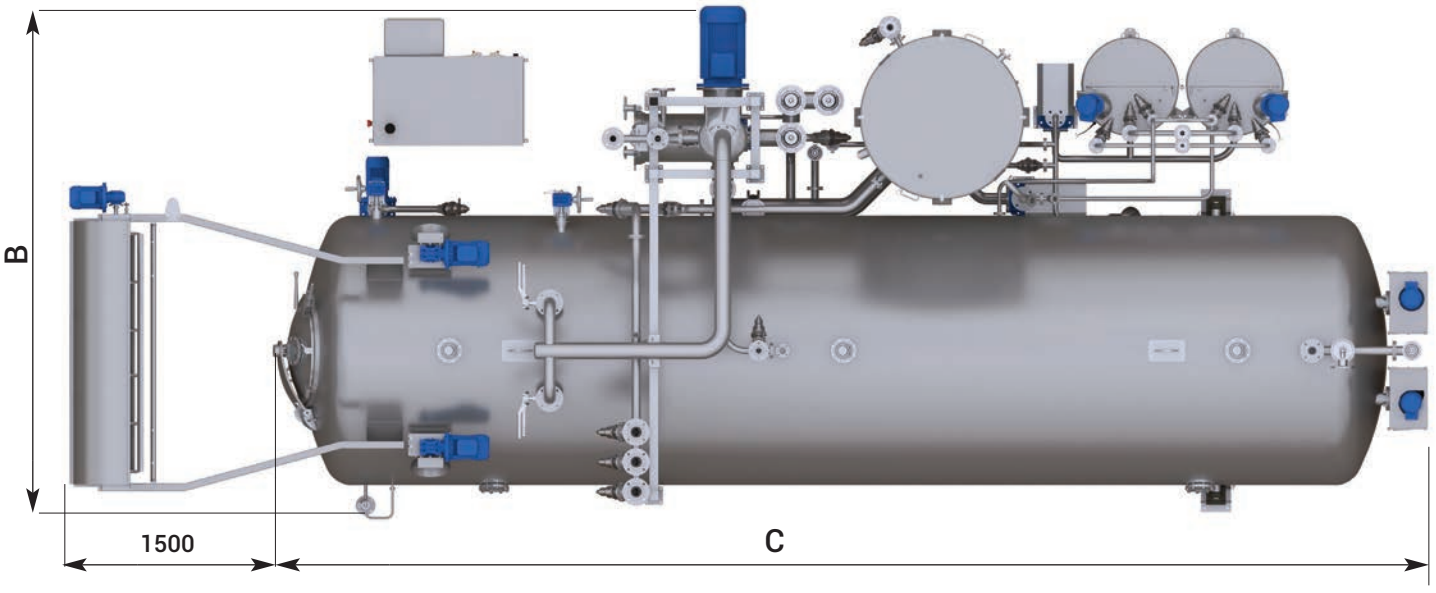
***Ph-meter:** composed of high temperature probe and reading instrument installed in the panel.*

***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.*

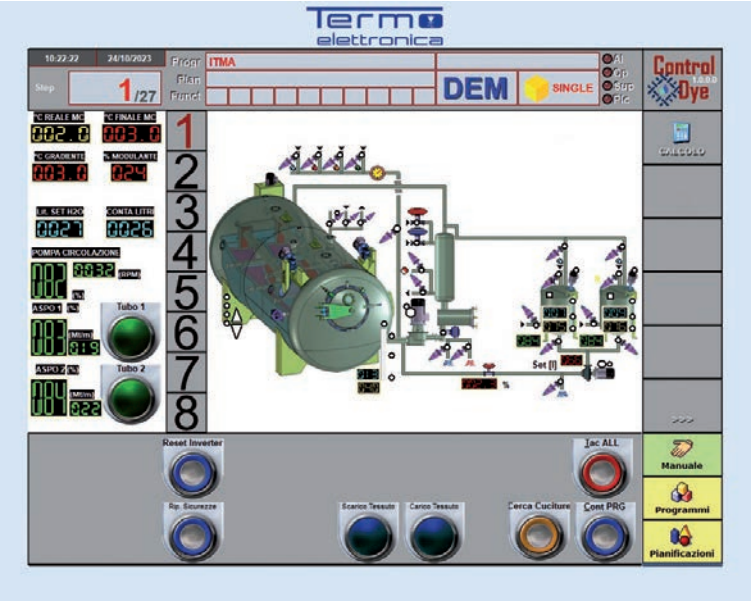
MODELS DATA



Model	Loading [Kg]	Rope n.	A [mm]	B [mm]	C [mm]
SF18-SAMPLE	30-50	1	3.400	2.900	4.500
SF18-1-100	100	1	3.400	2.900	6.000
SF18-1-150	150	1	3.400	2.900	7.500
SF18-2-100	200	2	3.500	3.600	6.100
SF18-2-150	300	2	3.500	3.600	7.600
SF18-3-100	300	3	4.100	4.200	6.300
SF18-3-150	450	3	4.100	4.200	7.800

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

CTRL DYE



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-screenda 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.

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

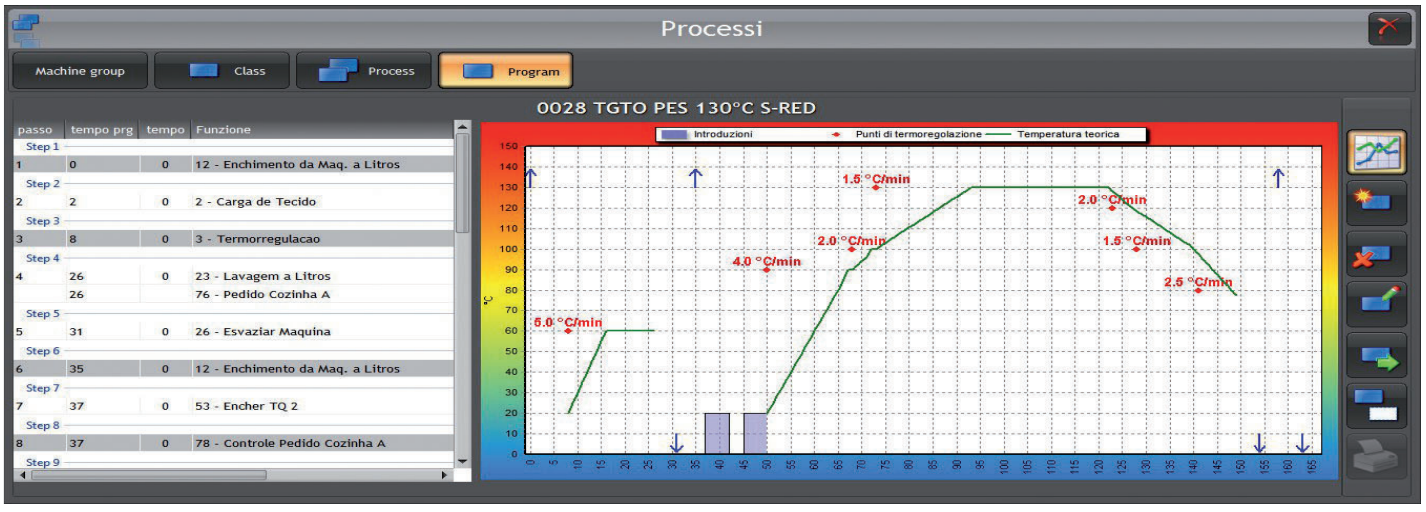
***With Touch-Screen 15"**, purposely designed for industrial use, the access to functions is easy and immediate.*

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

TEXMANAGER 4.0

Software integrato per la gestione della produzione che include:
Gestione del personale
Ottimizzazione delle risorse umane
Gestione dei macchinari
Gestione Reparti produttivi
Gestione Magazzino

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

DYEING & FINISHING MACHINERY

MCS

Bergamo | Italy | mcstextile.it

THINK BEFORE YOU PRINT

buca18.it - 01.24