

MCS

DYEING & FINISHING MACHINERY



KAPPA & SAMPLE

SMALL PRODUCTION - HT ROPE 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.



SMALL PRODUCTION HT ROPE DYEING MACHINE

MCS mette a frutto i 50 anni di esperienza che l'hanno resa leader internazionale del settore meccanico - tessile con la macchina di tintura in corda per piccole produzioni: **KAPPA** e **SAMPLE**.

La nostra ricerca continua in ambito tintoriale combinata a soluzioni ingegneristiche innovative ci ha permesso di sviluppare un prodotto ad alta efficienza energetica e che ottimizza i processi di tintura.

Oltre a garantire alte performance ed affidabilità, riproduce perfettamente le condizioni di processo riscontrabili nelle macchine di grande produzione.

Kappa e Sample sono interamente ingegnerizzata e costruita in MCS.

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

*MCS take advantage of 50 years' experience, which made the company a leader in textile machine manufacturing, and realise a rope dyeing machine for small production: **KAPPA** and **SAMPLE**.*

Our research in dyeing continues and develops a combined solution meeting design innovations which brought to a high efficiency machine as far as consumptions are concerned.

Apart from being guarantee of performance and reliability, it perfectly reproduces the processing conditions of a big-size production machines.

Kappa and Sample are 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 - 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

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

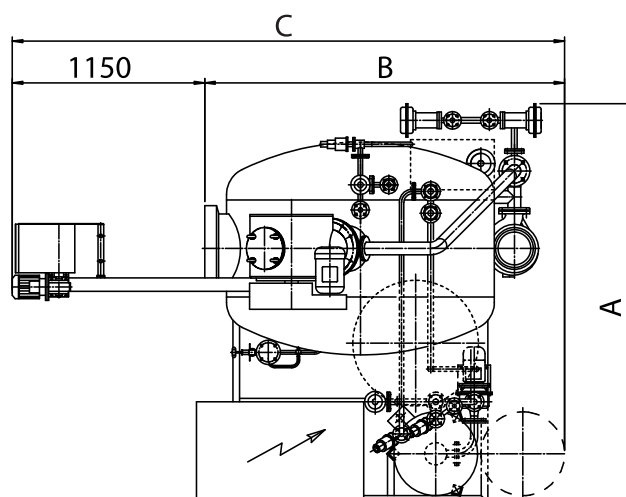
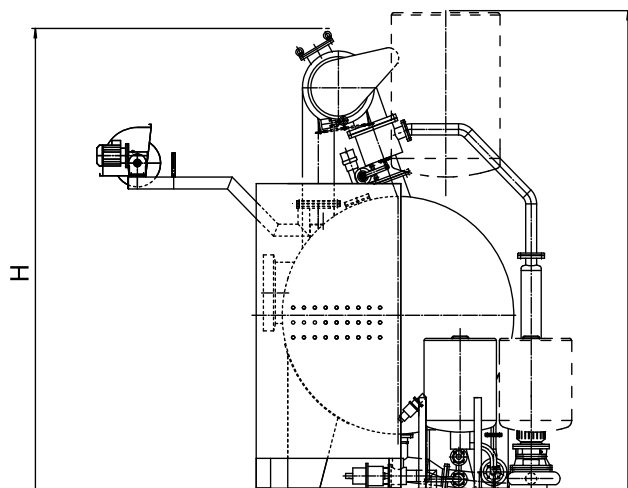
SMALL PRODUCTION - HT ROPE DYEING MACHINE



KAPPA è disponibile
nelle configurazioni
MAGLIA, ARREDAMENTO e SPUGNA

*KAPPA is available
in the configurations
KNITTING, FURNISHING
and TERRY TOWEL*

	Loading [Kg]	A [mm]	B [mm]	C [mm]	H [mm]
K25	25	2380	2030	3180	3300
K50	50	2380	2030	3180	3300
K100	100	2570	2600	3750	3950



SMALL PRODUCTION - HT ROPE DYEING MACHINE

CARATTERISTICHE

Rapporto bagno fino a 3,8 + fattore di assorbimento tessuto
 Sistema scarico bagno rapido modello **MQD**
 Hydrovario, ugello a sezione variabile
 Sistema con pompa multiaspirante (MCS Patent)
 Regolazione completamente automatica con PC industriale
 Serbatoio d'aggiunta prodotti completo di mixer e sonda di livello
 Sistema introduzione prodotti riprogettato
 Ricerca cuciture e controllo circolazione pezza
 Controllo di livello continuo
 Contalitri di riempimento H2O
 Sistema di lavaggio pareti macchina a giostra
 Filtro principale pompa
 Sistema di ricircolo ed introduzione per diluizione sale
 Possibilità di tintura in doppia o multicorda

Serbatoio di preparazione bagno **MST** con sistema di controllo e gestione di livello (Optional)
 2° serbatoio d'aggiunta prodotti completo di mixer e sonda di livello (Optional)
Pannello operatore: è possibile l'impiego di qualsiasi micro disponibile sul mercato (Optional)
pH-Metro: Misuratore di PH composto da sonda per alta temperatura e strumento di lettura installato nel quadro (Optional)
Misuratore di portata vapore: collegato al microprocessore macchina per registrazione consumi vapore del ciclo (Optional)
Misuratore di consumo elettrico: collegato al microprocessore macchina per registrazione consumi elettrici del ciclo (Optional)
Condizionatore: condizionatore su quadro elettrico di adeguata potenza frigorifera con alimentazione trifase (Optional)
Twins System: Sistema di abbinamento macchine (Optional)

MAIN FEATURES

Liquor ratio untill 3,8 + fabric absorption
Drain by main pump, mod. **MQD**
Nozzles at adjustable section, Hydrovario model
Multi pump suction with variable speed motor (MCS Patent)
Micro touch-screen by industrial PC
Side tank for products, with pneumatic level probe and mixer
New system of product introduction
Seam detector/fabric run control
Continuous level control
Water liter counter
Carousel washing system
Filter in main pump
System for the reduction/liquor recycling and salt introduction
 Possibility to **work in double or multi rope**

Vertical tank for liquor preparation **MST** with system for the control / management of level (Optional)
2nd side tank for products, with pneumatic level probes and mixer (Optional)
Operation panel: Upon Customer's request it is always possible to install different brands of controllers (Optional)
pH-Meter: composed of high temperature probe and reading instrument installed in the panel (Optional)
Steam flow meter: Steam flow meter with system connected to the processor microprocessor for steam cycle (Optional)
Electric consumption meter: connected to the machine microprocessor for recording the electrical consumption of the cycle (Optional)
Conditioner: Air conditioner with adequate cooling power with 3-phase power supply (Optional)
Twins System: Connection machines system (Optional)

LIQUOR RATIO 3,8 + FABRIC ABSORPTION

LABORATORY HT ROPE DYEING MACHINE

Ugello ad apertura fissa

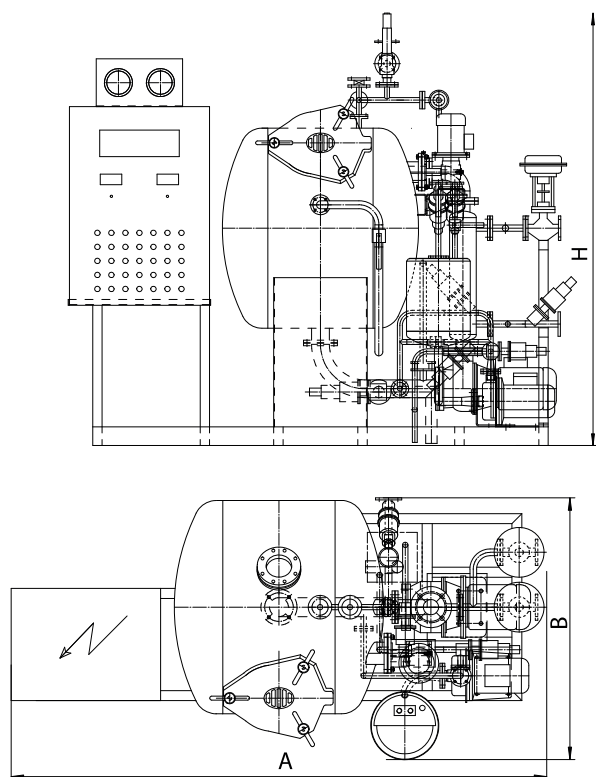
Serbatoio prodotti con sonda pneumatica di livello e mixer

Regolazione automatica con PC industriale

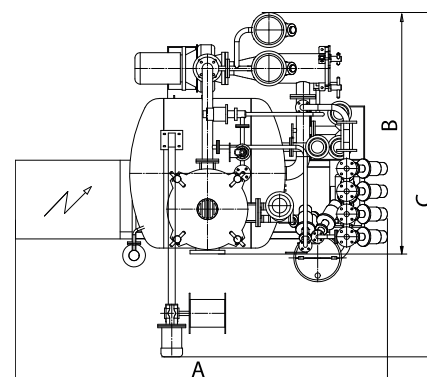
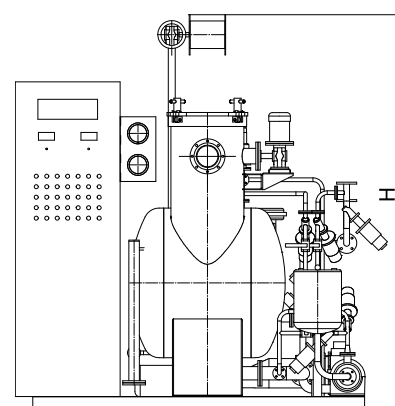
Nozzle at fixed section

One side tank with pneumatic level probes and mixer

Micro touch-screen by industrial PC



	Loading [Kg]	A [mm]	B [mm]	H [mm]
S-7	7	2150	1050	1850



	Loading [Kg]	A [mm]	B [mm]	H [mm]
S-10	10	2130	1970	2250

FEEL THE POWER OF WATER

DYEING & FINISHING MACHINERY



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