Your ideal partner since 1963, which means reliability, research and innovation.

BC-38 SUPER
OPEN WIDTH WASHING RANGE

LAVAPRINT SUPER = BC-38 SUPER + WR soft
Combined Washing Range
1963
Luigi Chiappini, Angelo Cagnazzo, e Roberto Sopegno fondano MCS. Luigi Chiappini ne sarà il presidente.

1964
MCS inizia la sua attività con la produzione di accessori per macchine di tintura.

1967
MCS produce la prima macchina da tintura in corda a bassa temperatura.

1968
Inizia la attività di Europizzi tintoria, stamperia, produttrice di prodotti ausiliari del gruppo MCS.

1971 ITMA – Paris
MCS presenta il primo modello di jet a bassa temperatura.

1974
MCS inizia lo studio ingegnerizzazione delle linee in largo.

1979 ITMA – Hannover
MCS presenta: jet HT, overflow MO/80 BT, MRS65.

1980
Inizio dell’attività di Europea, tintoria e resinsatura del gruppo.

1983 ITMA – Milan
MCS presenta: mercerizzo tubolare MT26, soft flow SF82 BT/HT, flow/jet OF83, Comby Jigger HT, linea di lavaggio in corda WR.

1987 ITMA – Paris
MCS presenta: tubular mercerizer MT26, Soft Flow SF82 LT/HT, Flow/jet OF83, Comby Jigger HT, rope washing machine model WR.

1991 ITMA – Hannover
MCS presenta: Tumbler Tornado, Maxi & Mid Jiggers, Lavaprint.

1995 ITMA – Milan

1999 ITMA – Paris
MCS presenta: Multiflow, Soft Flow Evolution SF100, Comby Jigger elettronico.

MCS exhbits: Multiflow, Soft Flow Evolution SF100, Comby electronic Jigger.
MCS GROUP INCLUDES:

- Termoelettronica manufacturer of industrial automation systems (automatic dosing) and control systems.
- Europizzi, dye-house, printing-house, finishing and producer of chemical auxiliaries for the textile industry and other application fields. Daily production at Europizzi is 30 tons of knits and 50,000 metres of woven fabrics.

The catalogue of MCS-Termoelettronica machines includes:

- Rope dyeing machines at high and atmospheric temperature
- Open-width dyeing machines (Jiggers and beam dyers) at high and atmospheric temperature
- Systems for process control
- Preparation and washing ranges in rope form
- Open-width ranges for mercerising, bleaching and washing of knitted and woven fabrics
- Dosing systems for chemical auxiliaries
- Dosing systems of powders for dye-house and printing-house
- Dosing systems for salt
- SW systems for automation
The efficiency of an open width washing unit conditions the cost of the plant operation. Particularly expences tar hot water represent the biggest part of production cost. The BC 38 Super unit has been developed by MCS in view of savings of water and steam.

The high efficiency washing capacity of our BC 38 Super units are principally due to liquor circulation, to dwelling time and most suitable liquor level.

The application of the total counterflow principle between the various units ensures the optimum washing effect.

Fabric tension remains constant on the whole surface and can be adjusted variable between 5 and 20 kg thanks to the load cells. Consequently fabric drawing without creases also with delicate articles is obtained.

The MCS washing units can be coupled according to production and treatment requirements. BC38 Super is equipped with a external self cleaning filter.
**GENERAL FEATURES**

- Self-cleaning external filters Fabric tension control via load cells
- Motor driven stainless steel upper rollers
- Sprinklers for intensive washing
- Self-supporting closed steel frame
- Indirect heating
- Continuous-reading level management via pneumatic probe
- Inverter controlled motor drive
- Possibility to communicate with integrated management software
- Heat recovery from recirculating water

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**SELF CLEANING FILTER (SCF)**

**BC38 SUPER WATER HIGH PERFORMING WASHING AT LOW ENVIRONMENTAL IMPACT**

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**BC38 Super Eng XXX.qxp 1 23/05/19 16:31 Pagina 5**
PCTE-19: industrial PC developed in Windows room to improve all diagnostic functions, monitoring and automation of dyeing machines. With Touch-Screen, 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.

A richiesta è possibile installare altri microprocessori disponibili.
TECHNICAL DATA

Standard configurations

BC38/9 Super
BC38/15 Super
BC38 25/22 Super
LAYOUT EXAMPLES

Washing after dyeing (cold pad-badtch)

BC-38 Super + Cylinders dryers

Washing after bleaching (cold pad-badtch)

Impregnation unit + Hydra + BC-38 Super

Washing line with Desizing and Steaming

Desizing Unit + BC-38 Super + CS500 + Cylinders Dryers
Washing after printing
BC-38 Super and WR Soft

BC-38 Super

The LAVAPRINT SUPER range for washing after printing of woven fabrics.

It's composed by:
- open width section: BC-38
- rope section: WR Soft

The range is designed to process a wide range of fabrics with minimum tension and incorporates three essential functions in a single washing operation:
- Open width impregnation and stabilization
- Open width fabric swelling in relaxed conditions (j-screy or relax belt)
- Intensive washing in rope form including treatments such as oxidation and soaping

L'Impianto LAVAPRINT SUPER è un lavaggio dopo stampa per tessuti ortogonalì.

Si compone di:
- parte in largo: BC-38 Super
- parte in corda: WR Soft

L'impianto, sempre trattando vari articoli con bassa tensione, riunisce in una sola soluzione tre funzioni oggi indispensabili per il lavaggio dopo stampa:
- Impregnazione e stabilizzazione in largo
- Rigonfiamento allo stato rilassato (bascula o tappeto)
- Lavaggio intenso accompagnato da trattamenti come ossidazione e saponatura.
The main use of LAVAPRINT SUPER range is for washing after printing of a wide range of articles dyed with reactive, disperse, indanthren, and acid printed. Apart from washing after printing, the LAVAPRINT SUPER can also be employed for relaxation, washing, washing after Pad-Batch bleaching, washing after Pad-Batch dyeing, washing after caustic soda treatments.

Energy consumption values of LAVAPRINT SUPER are as follows:
- Water consumption: 10-35 l/kg fabric
- Steam consumption: 1-2 kg/kg fabric
- Electric energy consumption: 0.07-0.15 KWh/kg fabric
- Max. hourly production: 4000 m/h
- Max. mechanical working speed: 85 m/min

PCx: industrial PC developed in Windows room to improve all diagnostic functions, monitoring and automation of washing MCS lines. With Touch-Screen, 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.
FEEL THE POWER OF WATER