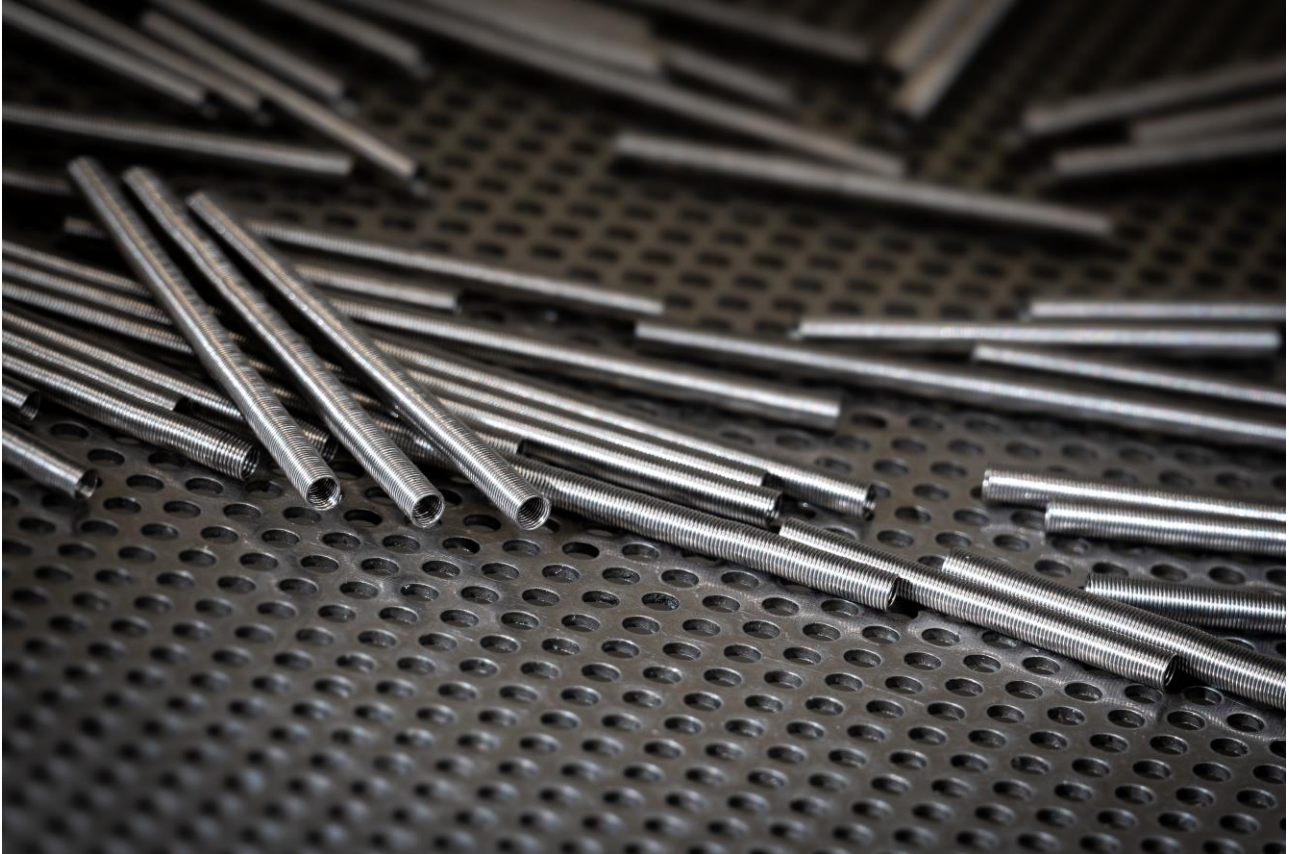




SYSTEM TO CLEAN COILS WITHOUT SOLVENTS



The ever-stringent pollution normative which limit the kind of solvents to be used and the difficulties of disposing of the spent material has urged heating element manufacturers to find an alternative to the chlorinated solvents used for degreasing the coils after winding.

The main problem with the winding of coils was the use of mineral oils to help wrapping the wire around the mandrel. CSM MACHINERY use a water-soluble and biodegradable lubricant where the major components are soap and a very small amount of a vegetal oil.

The best results are obtained when the coils are slightly space wound as the water jets can get in between the loops of the coiled wire. If the coils are close wound it is not possible to remove all traces of the soap solution lubricant, but the results are comparable to those obtained with convention means (with chlorinated solvents).

This system cannot be used to wash mineral oil lubricants. We have only used it and tested it with our soap type solution.



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SYSTEM COMPOSITION

The system includes:

- Stainless Steel Rack for trays awaiting washing
- Washer Unit
- Drip Rack
- Drying coils Unit
- Inlet Water treatment system and Gas Boiler
- 10 trays

CLEANING CYCLE

- Loading of the trays from the first rack manually
- Washing and rinsing (washing times can be programmed up to 12 minutes which is sufficient for most conditions). During the washing cycle a small amount of an industrial soap is added.
- Manual unloading of trays onto drip Rack
- When drip rack full transfer to oven
- Drying of excess water on coils in fan forced oven (temperature and time can be adjusted)
- Unloading

TECHNICAL CHARACTERISTICS

Power Mains	V/ Hz	400 3 N /50
Installed power	KW	25
Additional Services		Water, Methane
Max. quantity of coils per tray	kg	2,5-3
Typical washing time	min	15
Water lost per cycle (rinse)	l	4-5
Shelves	nr	7
Trays per level	nr	2
Weight	Kg	590
Dimensions	mm	To be defined

AVAILABLE VERSIONS

	With gas boiler	With electrical boiler
Complete coil cleaning system	118/10.H2O000	118/10.H2O0BE
Coil cleaning system without water treatment system	118/10.H2O0SA	
Coil cleaning system without drying oven	118/10.H2O0SF	118/10.H2BESF

OPTIONS

Mod. 118/10.200000 Stainless steel trays for coils



UNITS OF THE COIL CLEANER SYSTEM

- 1 PRE-WASH STAINLESS-STEEL RACK FOR TRAYS
- 2 WASHING DEVICE FOR REMOVAL OF RESIDUAL LUBRICANT
- 3 PRE-DRYING DRIP RACK
- 4 DRYING OVEN AFTER WASHING
- 5 INLET WATER TREATMENT SYSTEM (WATER SOFTENER)
- 6 ELECTRIC BOILER

LAYOUT

