

HEBS

Highly Efficient Bleaching System

we know
how to manage
your problems with iron



FORNITURE TESSILI RIUNITE

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S.
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HEBS

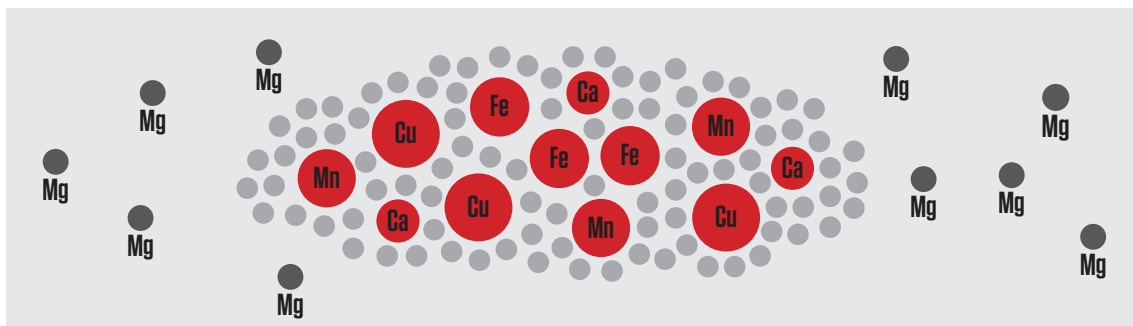
HEBS is the innovative pre-treatment system for linen and cotton that guarantees a perfect and selective removal of contaminating metals which are by nature often contained in cellulosic fiber.

INITIAL PHASE

The initial phase of the HEBS process consists of a selective de-metallizing acid scouring, through which COMPLEX HEBS, solubilizes all metal ions (Iron, Manganese, Copper) by removing them from the cellulosic fiber.

BLEACHING PHASE

After the application of the preliminary extracting scouring HEBS, the next oxidizing bleaching process with hydrogen peroxide will provide a better whiteness degree, without chemically damaging the cellulosic fiber. Using the special activator ECO BLEACH FAST we achieve high whiteness degrees.



Advantages of HEBS system on linen:

- it removes contaminating metals which are by nature contained in linen fabrics;
- it reduces chemical damages, achieving a better whiteness;
- it does not contain mineral acids that may deteriorate the fiber and damage metallic parts of the equipment;
- it can be applied by exhaustion system and by semi-continuous system (Pad-Batch).

Advantages of HEBS system on cotton:

- by applying COMPLEX HEBS on cotton yarn, as a pre-dyeing scouring on medium-dark tones (where oxidative bleaching is not required), penetration and regularity of the final dye are improved;
- it allows to bleach cotton knitwear with peroxide rather than with hypochlorite/chlorite.

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