



CARPET WEAVING MACHINES

VELVET WEAVING MACHINES

TUFTING SYSTEMS

ADVANCED KNITTING TECHNOLOGY

YARN EXTRUSION LINES

ADVANCED HEAT-SETTING SOLUTIONS

SHEDDING SYSTEMS

HARNESSES

WEFT INSERTION SYSTEMS

FINISHING MACHINES

YARN TRADING

QUALITY ASSURANCE FOR TEXTILES

PRODUCTION MANAGEMENT SOLUTIONS

MOTORS & DRIVES

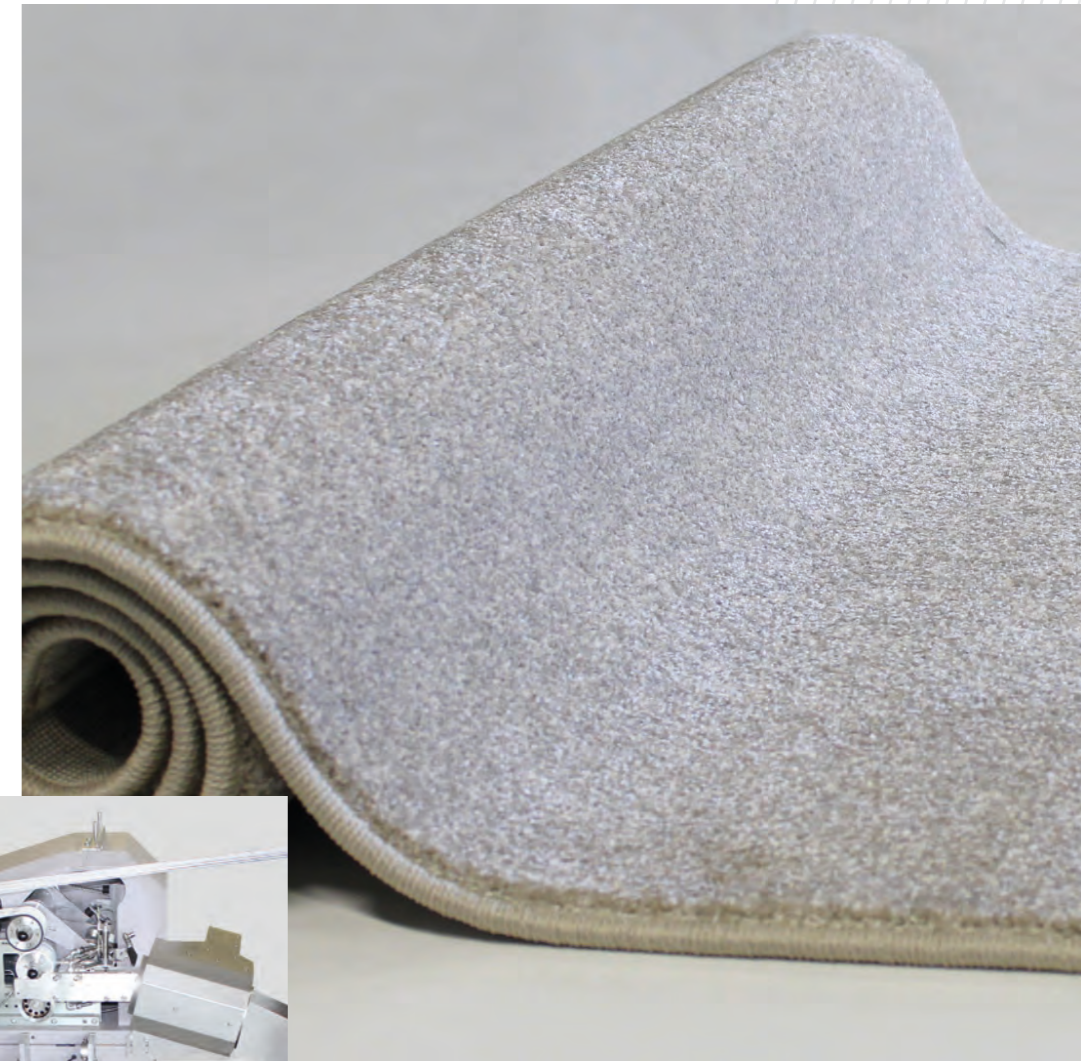
HIGH PRECISION IRON FOUNDRY

BULK HANDLING

We imagine, build and integrate innovative textile systems for flooring qualities, home linen, fashion fabrics and technical textiles. Sharing inspiration and expertise with our customers worldwide, we shape the textile industry of the future. Creating success for them all, from yarn to finished product.



Advanced heat-setting solutions
SUPERBA S.A.S
147, Avenue Robert Schuman
PO Box 1287
68055 - MULHOUSE Cedex
FRANCE
Tel. +33/389-362-727
Fax. +33/389-362-773
sales@superba.fr
www.superba.com



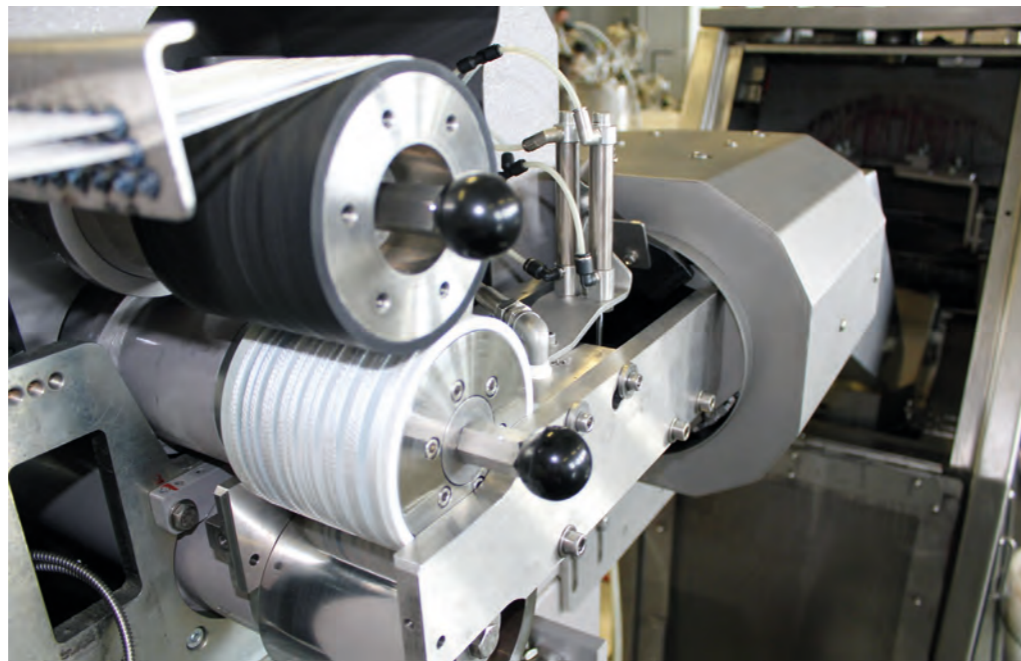
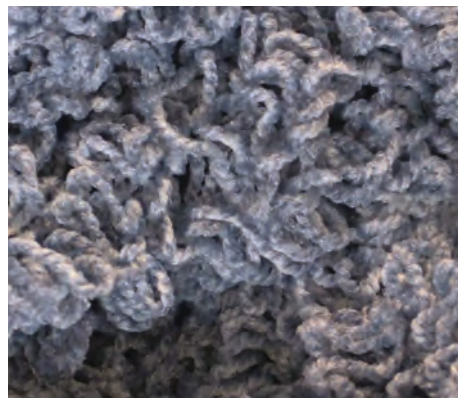
MF400

SUPERBA®

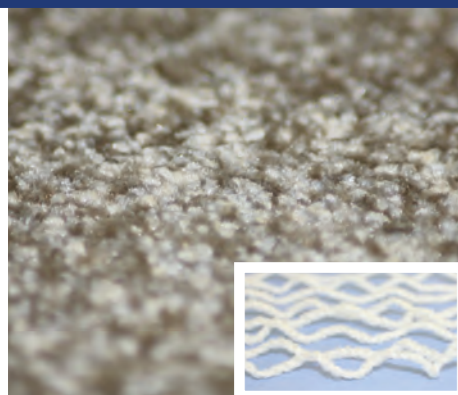
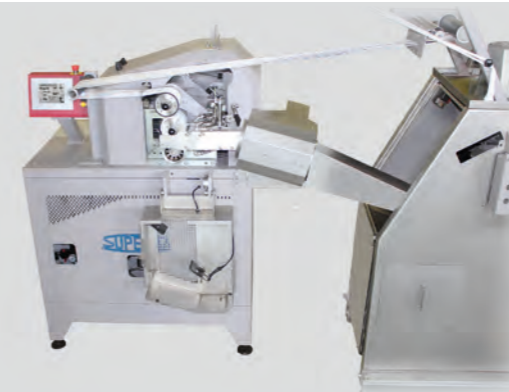
Advanced heat-setting solutions

HIGH QUALITY FRIEZE CARPET

MF400 texturizing device for carpet yarn
Single step process with MCD3 space dyeing



New styles of frieze yarn
for new styles of carpet :



CHARACTERISTICS & ENERGY CONSUMPTION

- 600 m/min
- installed power 9 KVA
~ consumption 3 - 5 KW/h
- up to 72 ends
- air pressure 90 psi
- steam : 25 - 30 Kgs/h

TECHNICAL INFORMATION

Production : Up to 10 Tons/day and more
(depending on yarn count / number of ends, tunnel length)

- Dimensions :**
- LENGTH : 130 cms
 - WIDTH : 102 cms
 - HEIGHT : 150 cms
 - WEIGHT : 600 Kgs

WIDE RANGE of FRIEZE EFFECTS

- Bulkier yarn for a better carpet coverage
- Adjustable frieze effect from light to strong
- Very even waves - Knit-deknit imitation
- More even crimp on the yarn gives a more even surface covering appearance on the carpet

HIGH PRODUCTIVITY

- No false twist device for an easy threading
- Up to 500Kgs/hour (with TVP3-15m)
- Anti-roll-up laser detection
- Better yarn density consistency on the conveyor belt thanks to the mixing drum

ELECTRONIC CONTROL

- New CP4 fully digital taking-up regulation
- Independant from external light fluctuations - micro controller based
- High level of reproducibility thanks to PLC control and unlimited number of textile recipes

LINE CONFIGURATION

- The MF400 friezing machine needs to be used in conjunction with a TVP3 heat-setting line (at the line entry).
- It can also be used at the output of a MCD3 space-dyeing machine (before TVP3 heat-setting), as one single step «dyeing-friezing-heatsetting» is now possible with the MF400.
- For a randomized frieze effect, please consider using the standard MF4 friezing machine with the false twists device, instead of the MF400.

PROCESS ADVANTAGES

- Delicate yarns can be processed (single end low twist and/or low DPF yarns).
- The MF400 is connected to the TVP3 heatsetting line to enable the control of the laying and pre-feeding speed (for yarn tension setting).
- SUPERVISION features are available by connecting the machine to SUPERBA Plant-Track software package (such as recipes transfer, machine status, ...) - option -

ERGONOMIC & EASY TO USE

- 6" touch-screen for easy process management
- Adjustment of frieze effect
- Textiles recipes
- Monitoring of input yarn tension and speed
- Inverter control
- Easy trouble shooting with dedicated error page