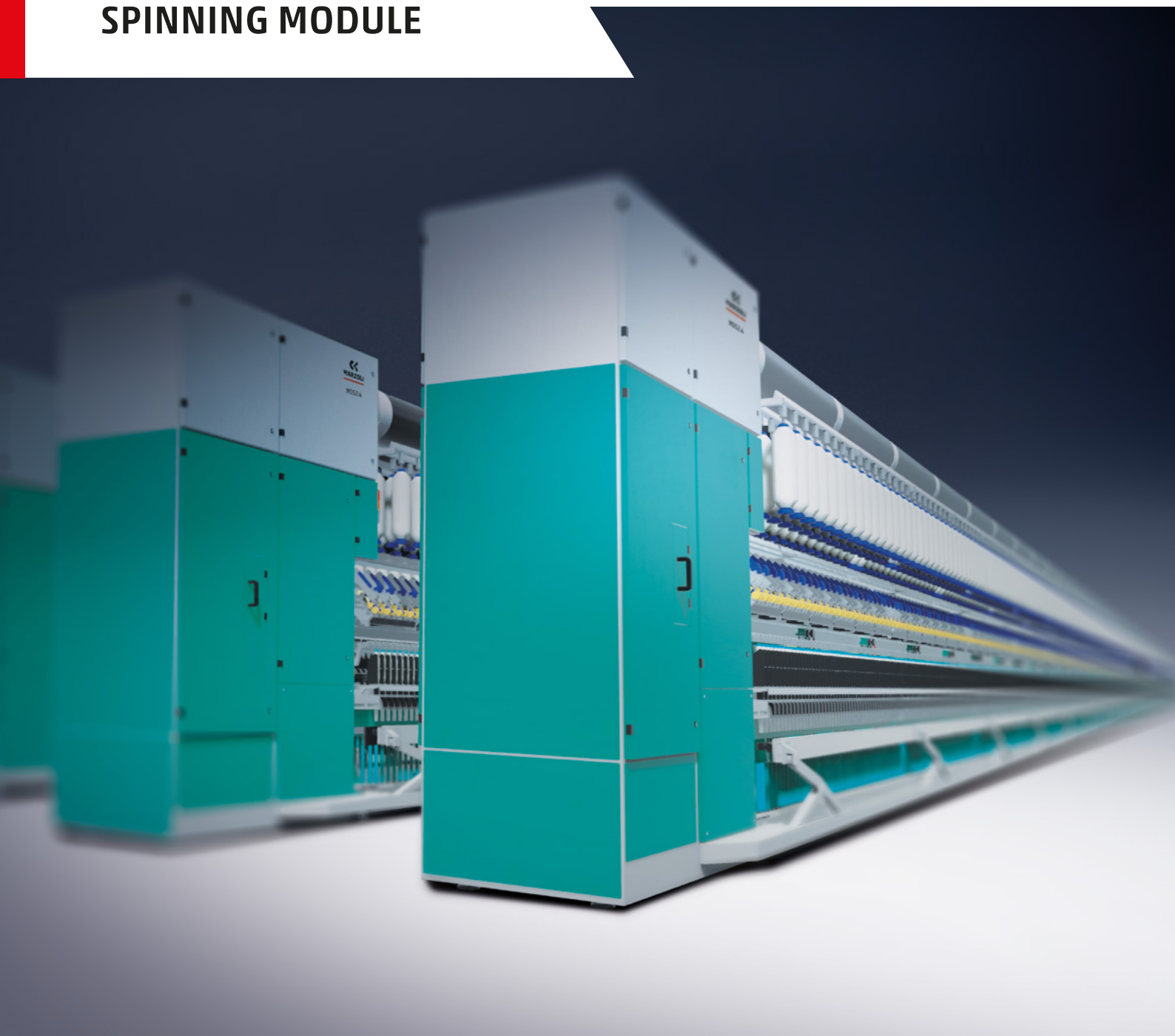


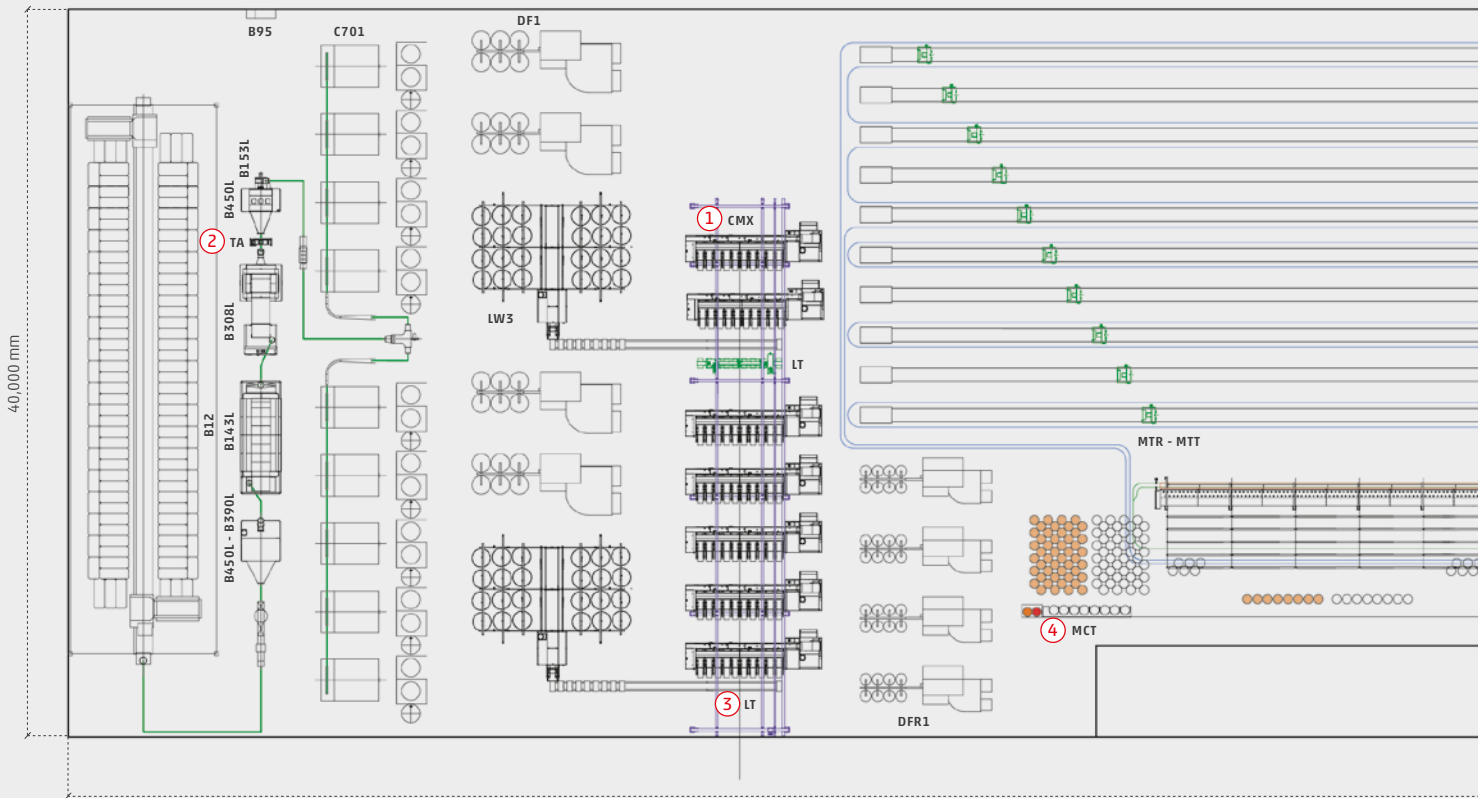
OVERVIEW



MARZOLI INNOVATIVE SPINNING MODULE

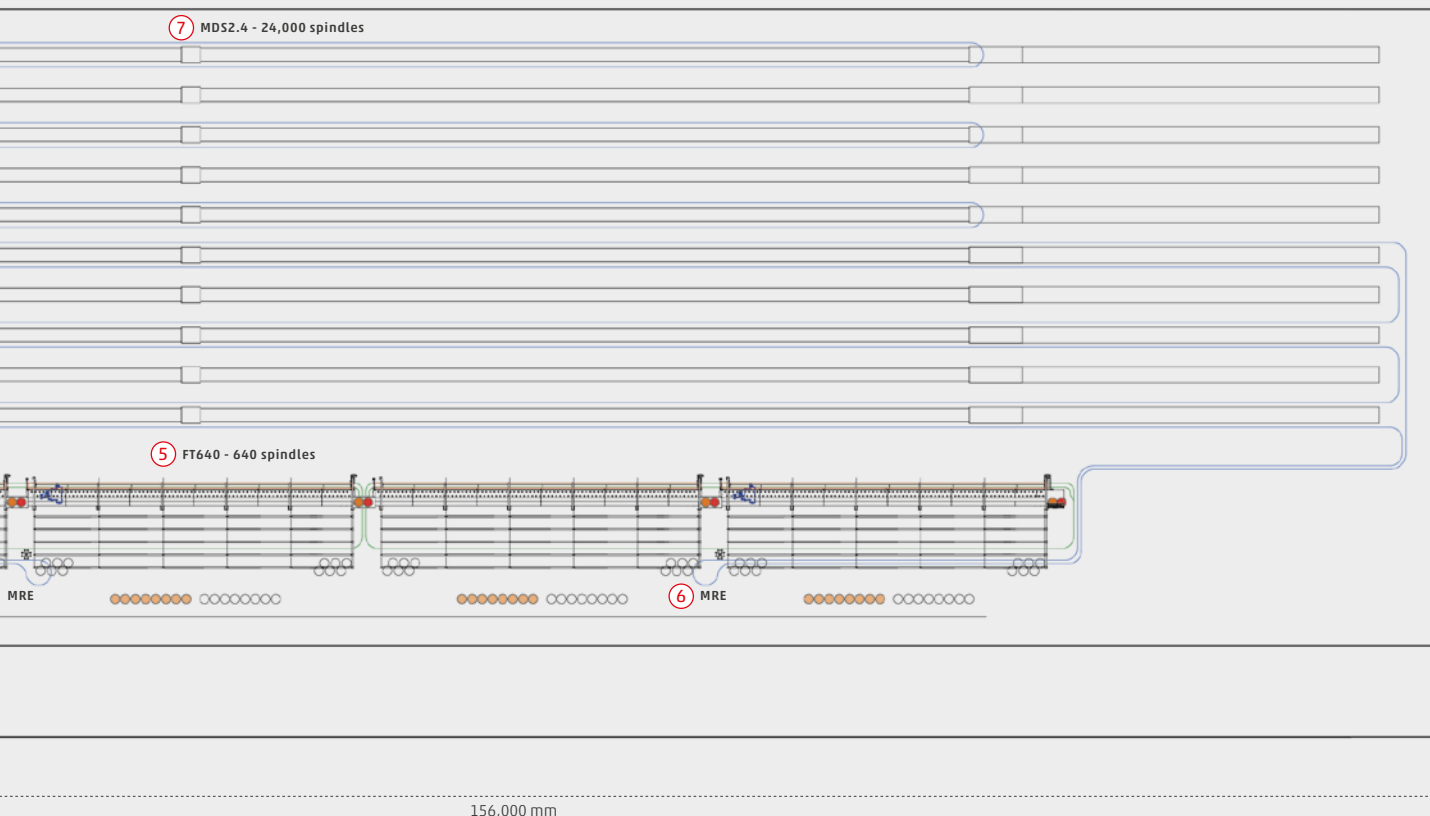


MARZOLI SPINNING MODULE FOR A SIGNIFICANT TCO REDUCTION



Benefits of the new Marzoli module with 24,000 spindles compared to a standard layout with long machines, spinning frames with 1,824 spindles and roving frames with 224 spindles, are:

- Investment cost: 10% saving on land, building and lighting.
 - Operating cost: 4% saving on conditioning; up to 9% cost saving on internal logistic and reduced unskilled labor.
- 1. New comber CMX with continuous motion of the detaching rollers**
 - + 25% production capacity: up to 115 kg/h.
 - - 20% required space for combing at same production.
 - Up to 20% energy savings (kW/kg) on the combing section.
 - 2. TA Trash Analyzer System**
 - Constant analysis of quantity and quality of waste for an optimized setting of blow room and carding machinery.



3. LT10: Laps transport system

- Automatic transport of laps.
- No risk of poor handling of laps.
- Full automation.

4. MCT - Automatic Cans Transport

- 50% savings on the cost of logistics associated with the roving frame cans.

5. FT640 Flexo Roving

- +5% efficiency compared to long roving frames.

6. MRE High speed exchanger

- 240 bobbins/hour cleaned and exchanged.

7. MDS2.4 Hyper Ring

- Up to 50% energy savings on suction compared to competitor long spinning frames.

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