

Integrated Bead Winding and Apexing Lines for TBR/MRT tires 17.5" - 24.5"



Fully Automatic Bead Winding & Apexing Lines 17,5" - 24,5" for Truck/Bus radial tires

The latest generation of Fully Integrated Bead Winding and Apexing Lines 17,5" - 24,5" include the beads feeding directly from the integrated Hexagonal Beads Winding Line. It is a result of putting together the best features of the previously supplied machines based on many years of extensive production experience in different tire factories and with different rubber compounds.

The main strong points of this fully integrated production cell are:

- Fully automated operation with KUKA/FANUC robots for beads and separator rings handling
- Single/Duplex 90+90 mm Cold Feed Extruder with increased output for producing wider profiles
- Constant speed extruder operation for getting constant apex profile with closed loop control
- Special design Air Cooling System with automatically adjustable pre-set temperature
- High capacity festoon with optional automatic cutting to length station for slabs
- Beads feeding directly from fully integrated Hex Bead Winding Line
- Fully synchronized robust automatic apex splicing system with automated splice control system
- Adjustable splicing fingers for maximum splice quality and uniformity
- Optional automatic rubber side strip application from bobbin or by using a Triplex Extruder
- Automatic Fabric Flipper application and turn-up system
- Optional online Apex height control and profilometer systems with statistics data processing
- Latest generation Allen Bradley/Siemens PLC based control system with optional remote access for troubleshooting and level 2 factory control system integration
- Automated size change based on the recipe settings
- High reliability and constant quality of application
- Industry 4.0 ready

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