

# Integrated Bead Winding and Apexing Lines for OTR tires 25" - 42"



## Hexagonal Bead Winding & Apexing Lines 25" - 42" for OTR tires

The latest generation of Integrated Hexagonal Bead Winding and Apexing Lines 25" - 42" include the beads feeding 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:

- Automated production of 2 hexagonal OTR beads per cycle
- Integrated Pre-bending feature, eliminating the need for manual wire tail wrapping
- Automated beads unloading by manipulator device
- Single/Duplex 90+90 mm Cold Feed Apex 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 from integrated Hex Bead Winding Line with optional full automation
- 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
- High reliability and constant quality of application

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