Conveyor Belt Tracking

Economy **The Allen Thomas Group** as well as reliability is offered by conveyor belts. For a long and trouble-free working of the conveyor system you will need to ensure that the tracking or alignment of the conveyer system is perfect.Tracking a conveyor belt just means making it work efficiently. According to conveyor belt gurus, in simple terms it means the belt must move towards the end of the roll. A belt is said to be tracked well when the edges of the belt remain within the width of the pulley and the roller components while carrying a full load.To achieve this, users as well as installation and maintenance crews must take appropriate steps to ensure that the whole system is centered as well as level. All components like pulleys, snub Allen Thomas rollers and idlers must fit perfectly square within the frame and be perfectly parallel. Ask the belt manufacturer to guide you on what the correct belt tension should be. This is what prevents slippage. Another important aspect is cleanliness of the belt. Any particulate matter stuck on the belt will affect tracking, as it creates an additional roll or pulley face.Tracking must be done with great care. Begin with an empty belt, then recheck tracking with a full load. Adjust the tracking when the belt is running. After adjustment of the idler, run the belt at least 4-5 revolutions before deciding on any further adjustments. Overcorrections must be adjusted using the same idler, and not by moving any other idlers.When troubleshooting tracking, consider the structure and components of the belt, the tension and joints, load balance, and belt stiffness. Look at the condition of the belt, the power and tension levels transmitted to the belt by drives and take up systems, alignment of idlers and rolling components, the workings of belt splices, cleanliness of the reverse side of the belting, and the direction of the load. Consistent tracking will lead to a safe and hassle-free conveyor belt system.

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