



Increase Production Output Ammeraal Beltech helps in Tyre Building

INDUSTRY

Tyre

PRODUCT

Rubber

PROCESS

Feeding rubber inliner into the Tyre Building Machine

Situation

A large truck tyre manufacturer was frequently replacing the belts in their tyre building machines, resulting in significant downtime. Feeding the rubber inliner onto the shaping drum is an accurate process. Timing belts were used to achieve a precise position. As tyres are much wider than timing belts, up to 8 belts were needed to support the rubber. Tracking multiple parallel belts is a complex operation; differences in elongation between the belts mean they have to be tensioned individually. Breakages are common, and several hours of production each month were lost whilst replacing the belts.

Solution

Ammeraal Beltech recommended their Ultrasync Positive Drive belt for this situation. The Ultrasync positive drive belt – available in widths up to 1000 mm wide – eliminates the need for several separate parallel running belts. Positioning of the rubber inliner is accurate and very close to the building drum. This product is available in two versions; Ultrasync UC5520 NTB with an easy release top cover and Ultrasync UC5110 NT with a high friction non-stick top cover.

Benefit

The customer saved the equivalent of 20 000 Euro resulting from additional uptime on each tyre building machine. With only one belt, tracking is easier and belts need replacing less often. What is more, the belt is easy to fit on-site with the Ammeraal Beltech Maestro splice tool or by trained fitters from Ammeraal Beltech's extensive service network.

