



Significantly higher Operational Profit Ammeraal Beltech helps in Tyre Throughput

INDUSTRY

Tyre

PRODUCT

Cured tyres

PROCESS

Conveying from curing press to trench line

Situation

Cured tyres are conveyed from curing press to trench line on steel gravity rollers or directly placed onto a roller conveyor. Stoppers block the tyres or they are placed on a station before going to the gravity rollers. The tyres are still hot and pliant and the rollers can give an unacceptable imprint causing a high waste percentage. A gravity conveyor is uncontrollable and tyres often get stuck before they move to the trench line. This calls for manual adjustment, resulting in costly downtime.

Solution

Ammeraal Beltech recommended a tyre manufacturer to exchange the gravity rollers by two modular belts type uni SNB 34%. These have an open structure for optimum cooling, while the top surface is flat without pin points causing imprints. Either regular or heat resistant belt material can be applied. The switch to a positive driven modular belt made the tyre transfer to the trench line much more manageable. Process start/stops can easily be programmed to eliminate tyre jams.

Benefit

The tyre manufacturer noticed a significant difference in waste percentages. Also the number of tyre jams – and thus manual interventions – was substantially reduced. The investment paid back within one year and the cost reduction in both waste and downtime led to a higher operational profit.

