

Improvement of Two-station Winding Unit for Steel Cord Fabric

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Abstract: In this study, the structure of two-station winding unit of the automatic production line (small angle steel cord cutter) of steel cord fabric for tire belt layer was improved to reduce the tensile deformation of the fabric during the winding process. The new winding unit was composed of centering at the entrance, corrective of mattress position, centering at the exit, leading-in device, locking mechanism and transition conveyor rollers. Unpowered rollers were used to transfer the fabric between stations and the fabric was directly winded on the collecting device. After improvement, the nylon mattress could be reused, turn-over of the fabric was completed within the winding unit, the tensile deformation of the fabric was low, the whole process was environmentally friendly, and the cost was low.

Keywords: belt; steel cord; two-station winding; structural improvement; tensile deformation; small angle steel cord cutter

信息·资讯

2015年轮胎企业收入前10名排行榜

2015年我国轮胎企业收入前10名排行榜（按2014年运营收入）如表1所示。

表1 轮胎企业收入前10名排行榜

2015年排名	2014年排名	企业名称	2014年收入/亿元	同比增长率/%
1	1	中策橡胶集团有限公司	232.82	-13.0
2	2	厦门正新橡胶工业有限公司	184.70	-0.4
3	4	三角集团股份有限公司	175.00	12.2
4	5	双钱集团股份有限公司	151.04	23.1
5	3	佳通轮胎（中国）投资有限公司	150.05	-11.8
6	6	兴源轮胎集团有限公司	110.42	0.4
7	12	赛轮股份有限公司	108.11	52.8
8	7	山东玲珑轮胎股份有限公司	102.00	1.5
9	8	风神轮胎股份有限公司	81.40	9.7
10	10	盛泰集团有限公司	74.81	-3.2

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