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Slat Chain Conveyor with V-Block Assembly

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Abstract: Chain conveyors are used for moving products down an assembly line and/or around a manufacturing or warehousing facility. Chain conveyors are primarily used to transport heavy unit loads, e.g. pallets, grid boxes, and industrial containers. These conveyors can be single or double chain strand in configuration. The load is positioned on the chains, the friction pulls the load forward. Chain conveyors are generally easy to install and have very minimum maintenance for users. Aimed to provide most segmented consumption and sales data of different types of Chain Conveyor, downstream consumption fields and competitive landscape in different regions and countries around the world, this report analyzes the latest market data from the primary and secondary authoritative source. The report also tracks the latest market dynamics, such as driving factors, restraining factors, and industry news like mergers, acquisitions, and investments. It provides market size (value and volume), market share, growth rate by types, applications, and combines both qualitative and quantitative methods to make micro and macro forecasts in different regions or countries.

Keywords: Chain Conveyor, Assembly Line, Controlled Indexing, Proximity sensor

REFERENCES

- [1]. https://en.wikipedia.org/wiki/cropprotection
- [2]. https://en.wikipedia.org/wiki/Chain conveyor
- [3]. https://en.wikipedia.org/wiki/Proximity_sensor
- [4]. https://en.wikipedia.org/wiki/Programmable_logic_controller
- [5]. A. D. Barton, P. L. Lewin, "Analysis and control of a high-speed indexing chain conveyor," 1997 Eighth International Conference on Electrical Machines and Drives Year: 1997
- [6]. A. Wribhu, M. S. Siddiqui, S. S. Samal and S. Sathyamurthy, "Design and analysis of conveyor chain for automatic ammunition loading machine," INTERACT-2010, 2010, pp. 239-240, doi: 10.1109/INTERACT.2010.5706147.
- [7]. K D Kolhe, "Design of Chain Conveyor System and Analysis by FEM International Engineering Research Journal (IERJ) Sepcial Issue 2 Page 2047-2052, 2015, ISSN 2395-1621. Year: 2015
- [8]. Liu and L. Wei, "Vibration Research on the Polygonal Effect of Scraper Conveyor," 2017 International Conference on Computer Technology, Electronics and Communication (ICCTEC), 2017, pp. 866-870, doi: 10.1109/ICCTEC.2017.00192. Year: 2017

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