IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 4, Issue 1, June 2024

Rotary Roller Conveyor

Raktate Abhishek Parashram¹, Rathod Omkar Ranawishwasinha², Bhand Nishant Kailas³, Shaikh Arshan Mohmad Hanif⁴, Dr. S.V. Bhaskar⁵

Department of Mechanical Engineering ¹⁻⁵ Sanjivani College of Engineering, Kopargaon, Maharashtra, India

Abstract: The Rotary Roller Conveyor introduces a transformative approach to material handling with its innovative 360-degree rotation capability, providing unmatched flexibility and adaptability in industrial environments. This advanced conveyor system features a continuous loop of rollers on a rotating platform, facilitating seamless directional changes and enabling complex material transport pathways. Enhanced by precise speed and direction control, robust construction, and integration with smart automation technologies, the Rotary Roller Conveyor ensures efficient loading, unloading, and material alignment, significantly improving production line efficiency. Its compact design and advanced features make it an ideal solution for optimizing space and boosting productivity across various industries.

Keywords: Rotary, Conveyor, Flexibility, Efficiency, Automation, Innovation, Versatilit

DOI: 10.48175/568

