

Automatic 3 in 1 Coconut Crushing Machine

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Abstract: *This project aims to design and fabricate a versatile, efficient, and user-friendly 3-in-1 coconut crushing machine. The machine is designed to perform three primary functions: dehusking, shell cracking, and coconut meat extraction. By automating these labor-intensive tasks, the machine significantly reduces manual effort and time, while improving overall productivity and hygiene. The machine incorporates a robust mechanical design, incorporating suitable materials and components to withstand the rigors of coconut processing. The integration of innovative features, such as adjustable settings and safety mechanisms, enhances user experience and ensures safe operation. This project seeks to revolutionize coconut processing by providing a comprehensive solution that addresses the needs of both small-scale and large-scale coconut industries.*

Keywords: Automatic Coconut Crushing Machine, Pneumatic System, Coconut Cracking, Coconut Dehusker, Coconut Grating, Mechanical Design, Industrial Coconut Processing, Food Processing Machinery, Automation in Agriculture, Coconut Processing Efficiency, Motorized Conveyor System, Grating Drum, Coconut Industry Innovation