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(57) Abstract :
OPTI-PRESS: A SMART IRONING APPLIANCE WITH INFRARED SENSOR ACTIVATION AND ENERGY OPTIMIZATION ABSTRACT OPTI-PRESS revolutionizes ironing with its intelligent design, integrating cutting-edge technology to enhance safety, efficiency, and user experience. Featuring an advanced IR sensor, the iron activates only upon touch, mitigating the risk of fire hazards. A relay module optimizes energy usage, activating the heating element only when necessary, thus reducing costs and environmental impact. With its ergonomic handle and intuitive controls, OPTI-PRESS prioritizes user comfort and convenience. Compliant with safety standards and affordable, it brings state-of-the-art technology within reach of all households. Seamlessly integrating into daily routines, OPTI-PRESS offers a safer and more sustainable ironing experience, ushering in the future of household appliances. Embrace the convergence of intelligence and efficiency with OPTI-PRESS for a smarter, safer home.

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