

# HEAT-SEAL FILM OVERWRAPPING MACHINE

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## ABSTRACT

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Having the title of my project known as Heat-Seal Film Overwrapping Machine, it is clear that the device is used for sealing process. This project included both mechanical and electrical field. The concept comes from the Lubricant Automatic Packing Machine; which runs automatically. Normally these kinds of machines are huge and costly.

After modify the machine, it is specially design for lubricant bottle packaging factory. The machine is used in lubricant oil packing process, after the filling process and before closing the cap. We need to seal an aluminum foil to the bottle mouth; that rubs against the housing to prevent the leakage of fluid.

The expected outcome of the Heat-Seal Film Overwrapping Machine is built up to scale; to modify and easy and smaller sealing machine; more convenient for user as well. The main purpose for this machine design is to lower the cost and simplify the operation. Due to oil and grease seals have a flexible lip that rubs against the housing to prevent leakage of fluid. So, it is mainly designed for small food or lubricant manufacturing factory user.