

# AUTO SPRAY

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## ABSTRACT

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First of all, the title of my project is Auto Spray. The objective of this project is to create a workable design which can automatically spray the objects. Materials like hand phone casing and other small size objects can be spray by using it.

This project introduces a form of spraying machine that is relatively new to Malaysians which does not require high technology in construction; the construction consists of some mechanical part and some simple electrical connections. The theory of friction and electrical device connection need to be applied in this project. The simple technology is suitable for local industry sector because it's low cost and easy to control.

The auto spray machine can improve the development of the product and it will continuously spraying the objects as long as it gets the signal from the sensor whole the objects are moving towards the nozzle on the conveyer.

The design parts include position of nozzle, sensor system, and motor system. The overall design is using AC motor to transmit the object by conveyer and rotate the pulley to get friction between object with pulley. The process will be shown clearly in the diagrams below.

Bearing in mind that the auto sprat is a form of automatically spraying machine used in industries and can be used to sprat the product with faster, constant quality production and safety features should also be considered and included in the design.