

# UNIVERSITAS INTERNASIONAL BATAM

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Internship Report  
Study Program Electrical Engineering  
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## DESAIN ALAT PEMBERSIH SISA *COMPOUND* PADA MESIN *AUTO MOLDING* ASA 808 OMEGA DI PT. UNISEM BATAM

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### ABSTRACT

PT. Unisem Batam, especially in the auto molding machine which functions to encapsulate leadframe material by using a compound so that the material is strong and heat resistant. Cleaning activities on the auto molding machine also need to be carried out by the operator to clean the remnants of the compound contained in the cavity bar. The cleaning process of the cavity bar carried out by the operator causes the remainder of the compound which is located at the rear (inside) the auto molding machine so that the process is carried out manually cleaning. To facilitate cleaning activities carried out by the operator, development is needed by adding brushes, hole board designs, and storing the remaining compound in the auto molding machine.

Offloader is work in the degate area and mold area so that when producing the leadframe material the offloader can perform additional work functions from taking leadframe material from the mold area, laying material into the degate area, and cleaning automatically. With this development the operator only focuses filling the compound manually for the production process of the leadframe material on the back of the auto molding machine.

The results of the research obtained in the auto molding machine obtained overall work done by one part of the auto molding machine, offloader where the data obtained from the process carried out on the offloader of the degate area and 4 mold area. From the total data obtained on average for the whole work on the offloader is 24.9 seconds where the results can facilitate the activities of operators who do manual cleaning between 1-3 minutes.

Keywords: *Mesin auto molding, Cleaning, Compound*