



**STUDIES THE EFFECT OF INJECTION PRESSURE WITH  
POROSITY LEVEL AND HARDNESS IN HOT CHAMBER DIE  
CASTING PROCESS**

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## **ABSTRACT**

This project in title STUDIES THE EFFECT OF INJECTION PRESSURE WITH POROSITY LEVEL AND HARDNESS IN HOT CHAMBER DIE CASTING PROCESS concerns with porosity and hardness in hot chamber die casting.

When talking about hot chamber, it is including with understanding of molten metal, plunger and analysis about the effect of injection pressure. It's including the hardness and the hole trap (porosity).

Through our experiment we have know that the injection pressure can give effect due the hardness and porosity of the product produced. When the pressure of injection is high, it can increase the hardness and decrease the porosity while when the injection pressure is less than what the ideal pressure it will give bad result to product produced.

## AUTHORS DECLARATION

“We declare that this thesis is the result of our own work except the idea and seminaries which we have clarified their sources. The thesis is not been accepted for any Diploma and is not concurrently submitted in candidature of any Diploma”

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