Design of Motorbike Luggage Casting (Honda) 
On Process Injection Molding

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Abstract
PT. ASTRA OTOPART that manufacturing component motorbike. Since there is requisition of society for logistic motorbike as vehicle of goods, PT. ASTRA OTOPART tries for memproduksi luggage made from motorbike plastic. Until now that product was made and will be made in alone firm. To back up that thing needs to be designed by casting to process injection molding suitably. 

On this Final Report will at designs injection molding's process to motorbike luggage. Early stage that is done is draw that product is deep model 3 dimensions by use of Mechanical Desktops. By use of machine III. injection Mitsubhisi Met series capacity 300 ton was designed by casting and its main components cover amounts and lay out cavity, channel system, force's clamping, refrigeration channel and another supporting, hereafter draws that casting at export into shaped IGS / STL by use of Moldflow Plastic Insight 5.0 for simulating and evaluates casting process.

Of scheme result can get amount cavity is 1, channel system dimension and makings price estimation to process manufacture 1 motorbike luggage casting bottom cover as big as Rp. 87,909,687, and as parameter of process that is made as basis on hypodermic molding.

Key word: luggage, injection molding, simulation, parameter processes.