

ME202: Machine Drawing Project

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Title: Plastic Shredder Machine

Objective : To learn solid modeling and apply the understanding we have inculcated in CAD labs on a relatively modest scale.

This is my attempt to design a Plastic Shredder Machine , which has found its major application in recycling in the Plastic Manufacturing Industry, Municipal Solid Waste Management , Plastic Film Shredding, Electronic Waste (E-Waste) Recycling etc.(OpenAI)

A plastic shredder can be made on any scale for example ;



Fig: An industrial waste plastic shredder.

<https://www.plasticrecyclingmachine.net/single-shaft-plastic-shredder-machines/>

But the basic mechanical part remains more or less , depending on the cycle we change the shape of the blade.

Through this project I have come to understand the design aspect of mechanical engineering.

