CRUSHER MACHINE OF USED SYRINGE

Abstract

Generally hospitals and health centers produce wastes which is the result from using of medical activities such as infusions tool, gloves, infusions bottles, and especially used syringe.

Used syringes waste treatment is only carried out by burning in an incinerator, but if we can processed syringe waste well, we will produce profits. One of them is to be recycled.

Crusher machine of used syringe is designed with a simple design and the destruction of a good result, it would require the calculation of how much force is going on and the power needed to run: belt, pulleys, shafts, bearings.

Based on the calculation, it has been used the 1 HP motor power with 1400 rpm turning which is used to run 467 rpm pulley, the cutting force is 31 kgf and the machine capacity is 11 killograms per hour.

Keywords: used syringe, crusher, recycled