ABSTRACT

Fish chips are favorite food for our society. It needs a high price mixer and difficult treatment to make them. So it is not surprising that the entrepreneur has difficulty to increase the capacity of his production.

One alternative to overcome that problem is making a mixer that has simple design, so it will be cheaper but its batter result is as good as the others available on market. This process uses mixer called beater that has rotation as much as 24rpm. That rotation is produced by a gearbox that has gear ratio 1:60 to reduce the rotation of electromotor. While for its power transmission, it uses a roll chain.

The result is this mixer produces 20kg batter per 15minutes and the electromotor needs power as much as 1,5kW. The conclusion is to get a good mixture for 20kg batter needs 20kg wheat, 3kg tuna, and 2kg water.