ABSTRACT

Generally banana are dehusked manually using either a machete or a spike. These methods require skilled labour and are tiring to use. Attempts made so far in the development of dehusking tools have been only partially successful and are not effective in replacing manual methods. The reasons quoted for the failure of these tools include unsatisfactory and incomplete dehusking, breakage of the banana shell while dehusking, spoilage of useful coir, greater effort needed than manual methods, etc.

India is the 2nd largest producer of banana in the world. Most of the farmers are not aware of the importance of banana processing industry in India. Some projects were designed in recent times but the required target was not achieved.The manual de-husking involves high risk and consumes more time. To overcome this, there is a need to automate the de-husking process. Over decades many steps were taken to automate the de-husking process but all were in vain due to lack of knowledge and interest, fear for banana shell breakage during the process, etc. Now it is the time to look into the great scope for the future in the field of agriculture. This machine will be great boon to the farmers and banana vendors who always depend on labours for peeling the banana .