

Bunyoung Food

Pellet Cake Machine: Effective Maintenance & Usage Tips



Running your pellet cake machine is a struggle? Is your machine overheating frequently? The production is weak, and powdery pellets crumble easily. If yes, you are at the right place. It's a really fantastic way to turn agricultural waste and sawdust into pellets or valuable fuel using a pellet cake machine, but its efficiency completely relies on how you are treating it. Only repairing is not a part of proper maintenance; it's also about maximizing production while minimizing downtime.

Here is a simple guide for essential maintenance and usage tips that will help in keeping your machine running like brand new for a long time.

Usage Tips for Maximizing Efficiency

- The usage of a **pellet cake machine** starts before you turn it on.
- Firstly, you need to Control Moisture Content by following a simple golden rule, which is maintaining a moisture level between 10% to 15%. If your material is too dry, then it will be really difficult for it to bind, and if it is too wet, then you will end up jamming the machine.
- Always make sure to do Uniform Feeding by never overfeeding the machine because an overloaded motor trips, and uneven feeding leads to the formation of uneven pellets.
- Before shutting down the machine, make sure to run a mixture of sawdust and oil, or you can also use wasted cooking oil through the pellet cake machine. This helps in filling the die holes and prevents rusting and jamming of the machine on the next start. This method is also termed the "Oil Mixture" Shutdown.
- While using a new die, make sure to use a mixture of oil, sand, and biomass to grind it in. This will help in smoothing the die holes, resulting in increased output. smoothens the die holes and increases future output.



Simple Maintenance Checklist

- Taking Regular care helps in the prevention of expensive breakdowns
- Daily Cleaning, which includes Clearing of sawdust and pellet chips from the dies, rollers, and feed chute daily in order to prevent clogging and motor strain.
- Lubrication is key, as Regular greasing of the rollers and bearings inhibits friction, which is a major cause for mechanical wear.
- Adjustment of Die/Roller Gap, i.e., the gap between the roller and die should be 0.1mm–0.3mm. Too small a gap can cause excessive wear, while larger gaps reduce the output.
- Ensure that the V-belt is neither too tight (strains bearings) nor too loose (slips).



Conclusion

It is not a very complex task to keep your pellet cake machine in shape. It can be done easily by regular lubrication, proper moisture level, and consistent cleaning, which will significantly increase the lifespan. If you follow the above details, you can ace it at ensuring consistent and high-quality production and can turn waste into profit efficiently.

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Magic Pop Machine

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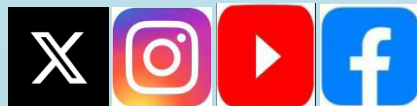
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Thank You