

SMALL BIOMASS PELLET PRODUCTION LINE

■ Wood Crusher + Screw Conveyor + Flat Die Biomass Pellet Machine

It processes solid biomass materials such as sawdust, straw, bamboo powder, corn cobs, and peanut shells.





Wood Crusher



Screw Conveyor



Flat Die Biomass Pellet Mill



PRODUCT	CAPACITY (KG/H)	HOST POWER (KW)
Wood Crusher	300-400	7.5
Screw Conveyor	300-500	2.2
Pellet Machine	150-200	11

FAQ

■ Is the production line expensive?

No. It is a small, compact system with a simple setup, so the investment is relatively low. Price depends on capacity, motor power, and optional parts, making it suitable for users with limited budgets or small scale production.

■ How is the energy consumption?

Energy use is low. All machines run on small motors, giving good efficiency for a small pellet line. Actual consumption varies with material hardness, moisture, and operating methods.

■ What materials can it process?

It can process sawdust, straw, bamboo powder, bark, corn cobs, peanut shells, and similar biomass. Screen size and die compression ratio can be adjusted to ensure good forming.

■ Can the line be expanded later?

Yes. Its modular design supports adding screening, cooling, storage, or automatic packing equipment.

■ Can it operate without a crusher?

Yes, if the raw material is already within 3 to 5 mm. Large or long fiber materials will affect feeding and pellet quality without proper crushing.

■ Any tips for high fiber or harder materials?

Use the right screen size, keep feeding steady, and select a suitable die compression ratio. Adjust moisture, particle size, and feeding rate to avoid blockage or roller overload.

■ Is this small line suitable for commercial use?

Yes. It works well for local or small-scale businesses such as wood waste recycling, rural straw pellet production, or community heating fuel supply. With low investment and quick return, it is ideal for small workshops and startup projects.

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