

KAWISE



FLAT DIE BIOMASS PELLET MACHINE

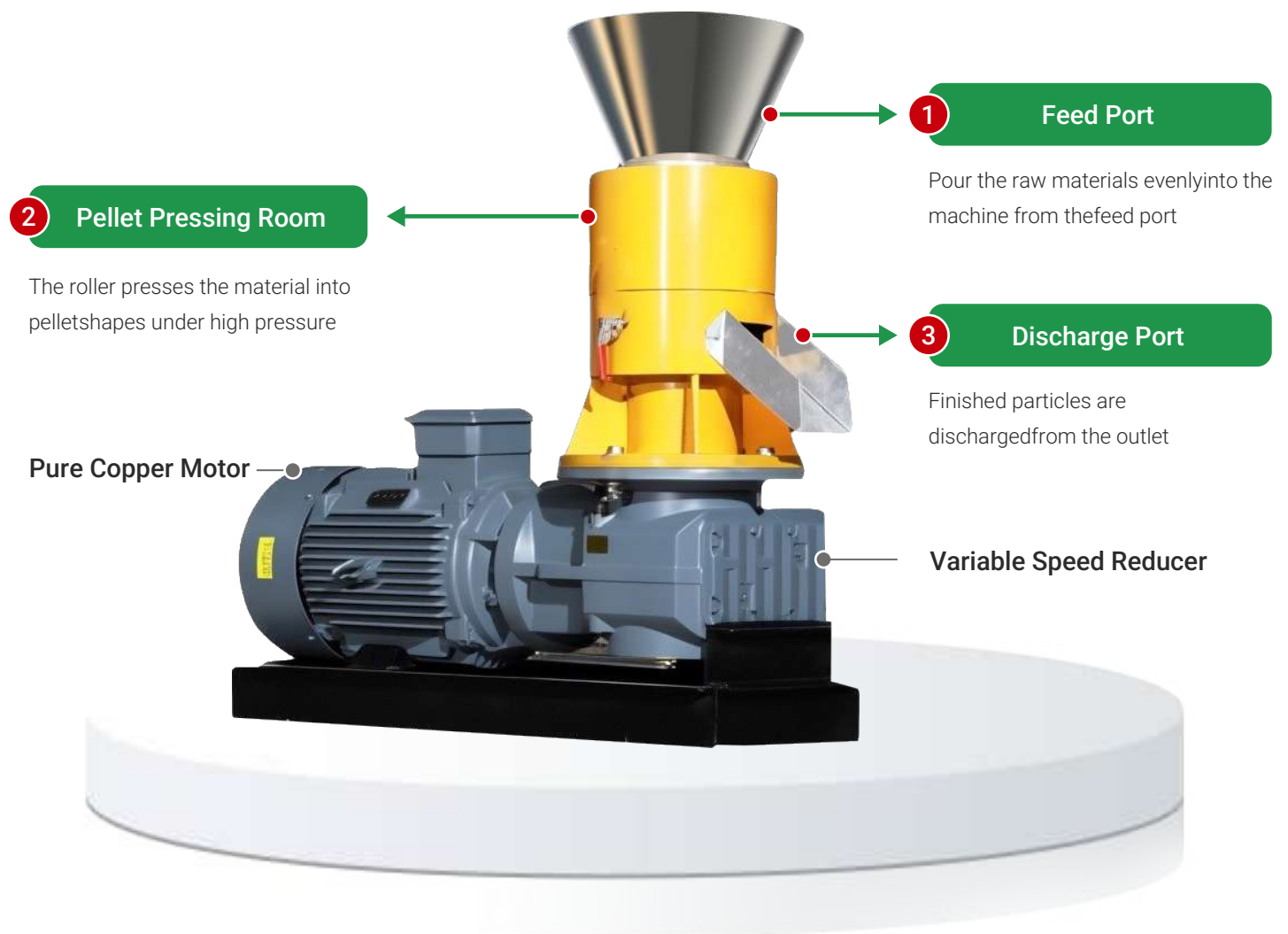
CONVERT BIOMASS WASTE INTO
RENEWABLE ENERGY



Flat Die Biomass Pellet Machine

Kawise flat die biomass Pellet Machine efficiently converts agricultural waste like sawdust, straw, and rice husks into dense biomass pellets. These pellets are an eco-friendly fuel widely used for heating, boilers, and small-scale power plants.





Working Principle

Feeding raw biomass materials into the hopper. Inside the chamber, rollers compress the material through the flat die holes, forming cylindrical pellets. A cutter then slices the extruded pellets to the desired length before they exit the machine.

Technical Specifications

Model	Power (kw)	Capacity (kg/h)	Total Weight (kg)
KB-250	15	100-200	400
KB-300	22	200-300	800
KB-350	30	300-400	900
KB-400	37	400-600	1000
KB-450	45	600-800	1500
KB-550	55	700-1000	1800



Key Features & Advantages



Compact Design

With simple structure ensures ease of operation, maintenance, and transportation.



High Efficiency

Design of consistent pellet production with minimal energy consumption.



Versatile Application

Can process a wide range of biomass materials, including hardwoods and softwoods.



Durable Components

Use wear-resistant parts to ensure longevity and reduce downtime.



Adjustable Pellet Size

Pellet diameter can be customized to meet specific requirements.

Customer Cases

Many customers from different countries trust our flat die biomass pellet machines because they perform well and are easy to use.



About Kawise

Kawise machinery is a professional manufacturer of biomass pellet machines and complete pellet production solutions. With rich industry experience and a skilled technical team, we deliver reliable equipment, customized services, and strong after-sales support to clients worldwide.



FAQs

What kind of raw materials can it process?

It can process sawdust, wood chips, rice husk, straw, corn stalk, peanut shells, bamboo powder, and other agricultural or forestry waste with moisture content of 10–20%.

What size are the pellets produced?

Standard pellet diameter is 6 mm or 8 mm, but we can customize sizes from 2.5 mm to 10 mm according to your needs.

What's the difference between flat die and ring die pellet machines?

Flat die machines are smaller, cheaper, and easier to maintain—ideal for small to medium users. Ring die machines are for large-scale, continuous industrial production.

Does it require drying the raw materials?

Yes. Ideal moisture content is 10–20%. Too wet or too dry will affect pellet quality and output.

What power supply is needed?

Most models require a 3-phase power supply (380V, 50Hz). However, we can customize the motor according to your local voltage. You can also choose our diesel-powered versions for areas without stable electricity.

Can one person operate the machine?

Yes. Our machines are designed to be simple and user-friendly. One trained person can operate and monitor the process.

Are the pellets waterproof or can they be stored outside?

No. Biomass pellets are not waterproof. They should be stored in a dry, covered place to avoid moisture absorption.

What are the benefits of using biomass pellets as fuel?

They are eco-friendly, produce low emissions, have high combustion efficiency, and reduce waste disposal costs.

What kind of maintenance does the machine need?

Regular cleaning, checking for wear on the die and roller, lubricating moving parts, and tightening loose bolts.

Do you offer technical support and spare parts?

Absolutely. We offer lifetime technical support, operation manuals, video guides, and fast delivery of spare parts.

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