

# RING DIE BIOMASS

HIGH OUTPUT WITH LOW  
DOWNTIME FOR CONTINUOUS  
PRODUCTION



PELLET MACHINE

# BIOMASS

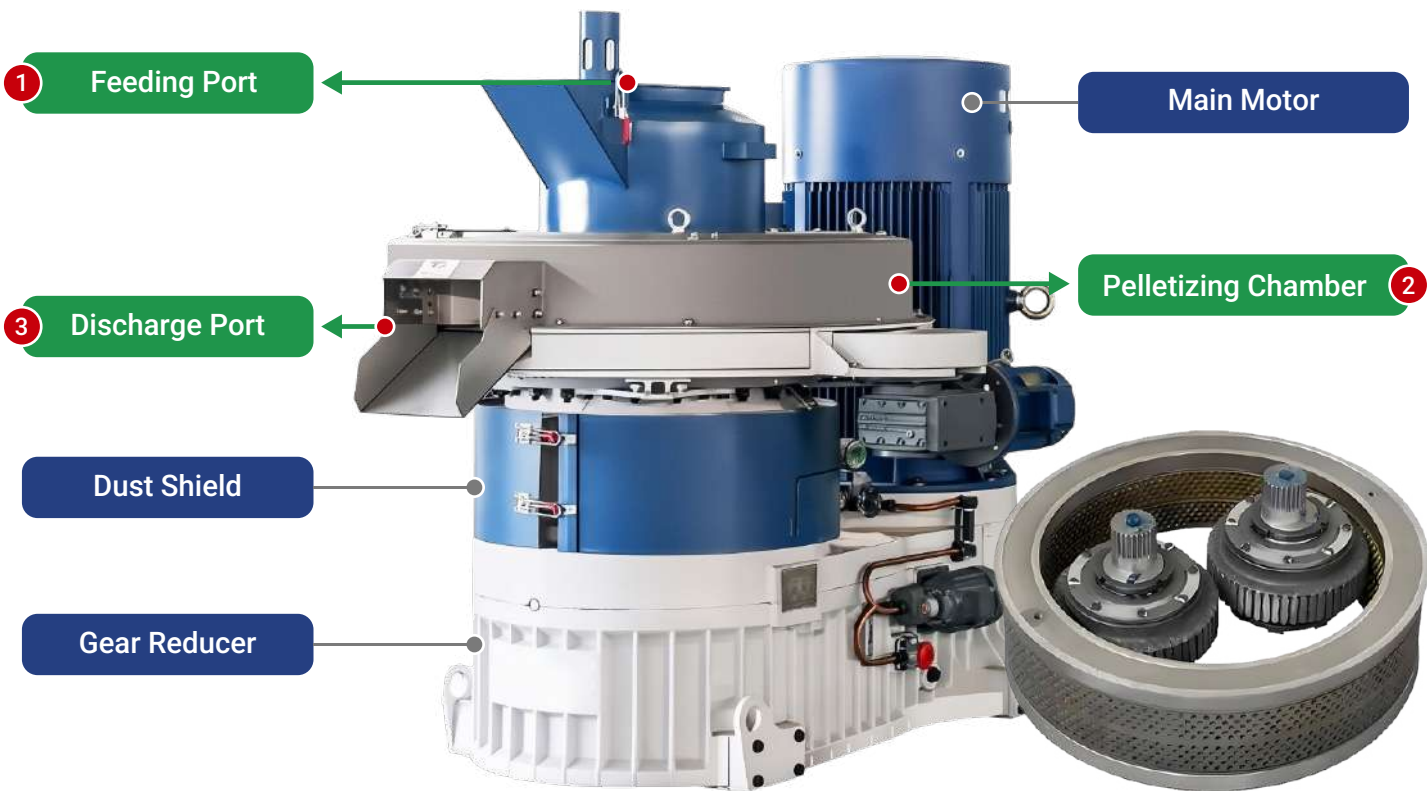


## Ring Die Biomass Pellet Machine

Ring die biomass pellet machine has high output, low failure rate, and can run continuously for large-scale production. It presses wood chips, straw, rice husks, and other materials into dense fuel pellets. It is widely used in biomass power plants, heating systems, and pellet factories.

### Working Principle

Crushed and dried material feeds into the pressing chamber. Rollers inside the ring die squeeze the material through die holes under high pressure and heat, forming pellets. A cutter cuts pellets to uniform size, which exits the machine.



Product Parameters

Model	Power (kw)	Capacity (t/h)	Weight (t)	Pellet Size (mm)	Die Diameter (mm)
KH-450	75	0.7-1	4	45759	450
KH-560	90	1-1.5	6.5	45759	560
KH-680	160	1.5-2.5	8.5	45759	680
KH-850	220	2-3.5	12.6	45759	850
KH-880	315	3.5-4.5	14.5	45759	880



Product Features

- High and stable output, good for large production.
- Adjustable compression ratio. Different dies for different needs, custom options available.
- Dense, hard pellets that burn well.
- Strong structure with automatic lubrication for long continuous operation.
- Works with many raw materials like wood chips, straw, rice husks, palm shells.
- Easy to maintain with durable wear parts.



# Customer Cases

Our ring die biomass pellet machines are widely used in biomass power plants, farm heating, and pellet fuel processing industries, helping customers achieve efficient and stable production.



# About Us

We are an experienced manufacturer specialized in biomass pellet machines, committed to providing high-quality equipment and full-range services. Our products are sold worldwide with mature technology and timely after-sales support.



# FAQs

## What raw materials are suitable for the ring die biomass pellet machine?

Mainly wood chips, straw, rice husks, palm shells, and other biomass materials.

## What is the machine's production capacity?

Production capacity ranges from 0.5-5 t/h. large capacity machines can be customized as needed.

## Can the pellet diameter be adjusted?

Yes, pellet diameter generally ranges from 4 to 12 mm. Die hole sizes can be customized.

## Can the machine run continuously for a long time?

Yes, it is designed for 24-hour continuous operation and has an automatic lubrication system to reduce failure rates.

## Is maintenance difficult?

The structure is simple, key parts are wear-resistant, daily maintenance is easy, and spare parts are easy to replace.

## Is energy consumption high?

The ring die pellet machine consumes less energy, saving 20%-30% operating costs compared to traditional equipment.

## How is pellet quality ensured to be uniform?

High-pressure extrusion and precise dies ensure pellets are hard and evenly dense.

## Do you provide installation and training services?

Yes, we provide full installation, debugging, and operator training services.

## How long does the grinding die last?

Typically, 1000–1600 hours. It's easy to install and replace.

## Can the machine be customized for special requirements?

Yes, we offer customized designs based on customer production needs and raw material characteristics.

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