

Vertical Ring Die Pellet Machine



Vertical ring die pellet machine is one kind of the pellet mills. The frame base, motor, reducer, main shaft, rollers, ring die, feeding chute and grease lubrication system are the main parts of the machine. This kind of pellet mill is much more suitable to make biofuel pellets from biomass material like: wood, EFB, coconut shell, sawdust, rice husk, peanut shell, sunflower husk, straw, grass., etc.

The motor connect to reducer by coupling, the reducer decide the rotating speed of main shaft, the main shaft drive rollers to rotate. The motor and reducer make up the drive system of the whole machine. Our machine select China brand name reducer to make sure the quality and performance of the whole machine.

On top of the main shaft is the pelletizing room, in this part include rollers, ring die and pellet cutter. For vertical ring die pellet mill, when machine working the ring die stable while the rollers is rotating, the rotating rollers can bring centrifugal force, which can help to press the raw material into the holes of ring die. That's why it mill have great advantage on process low bulk density raw material. Due to the pelletizing room is on top of main shaft, this kind of pellet mill is called vertical ring die pellet machine.



Why choose our vertical ring die pellet mill

1. Vertical structure, centrifugal force in pelletizing room, have better performance on soft raw material.
2. Equipped with grease lubricate system, automatic greasing to protect bearings.
3. On the ring die have two side holes, after one side is worn out, turn the ring die to use the holes on

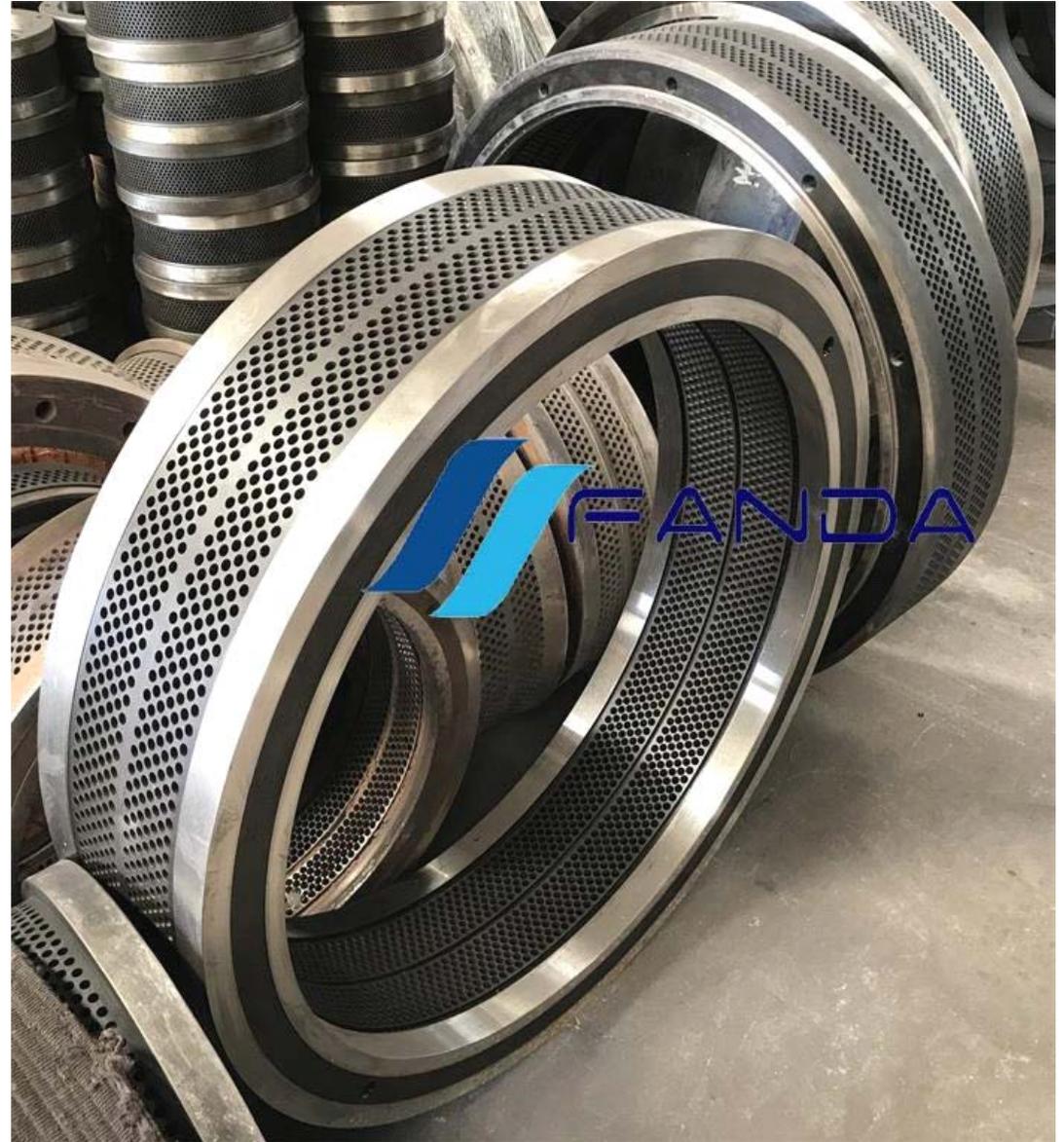
the other side, thus to extend the life time of ring die.

4. Ring die with specifical compression ratio for different raw material.

5. Gearbox transmission system, greatly improve the productivity



Vertical ring die pellet mill



Ring die

Vertical ring die pellet mill technical data

Model	MKLH450	MKLH500	MKLH560	MKLH600	MKLH700
Capacity	600-800Kg/h	800-1200Kg/h	1200-1500Kg/h	1500-2000Kg/h	2000-2500Kg/h
Power	55Kw	75Kw	90Kw	132Kw	160Kw
Ring die inner Φ	450mm	480mm	550mm	550mm	700mm
De-dust fan power	1.5Kw	1.5Kw	1.5Kw	2.2Kw	3Kw
Lubricator power	0.37Kw	0.37Kw	0.37Kw	0.37Kw	0.37Kw
Pellet cutter power	1.1Kw	1.1Kw	1.5Kw	1.5Kw	1.5Kw
Material moisture	12-15%				
Raw material size	<5 mm				
Pellet diameter	6mm, 8mm, 10mm, 12mm or customized				
Pellet moisture	7-9%				
Ring die/roller texture	20CrMiTi				
Ring die lifetime	Produce pellets for 1000 hours				
Package size	2290*1090*1100mm	2300*1110*1490mm	2780*1200*1800mm	2800*1200*1800mm	2850*1310*1990mm
Gross weight	2000 Kg	3000Kg	5000 Kg	5400 Kg	7000 Kg