

Pellet Mill

No bearing inside roller shell



CATALOGUE 2020



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Across

A Win-Win Situation

Company Introduction

OPPS GROUP LIMITED is member of Chongqing Gearbox Co.,Ltd (<http://www.cccme.org.cn/>) .is one of members of China Shipbuilding Industry Corporation, which is the central-government controlled large-size enterprise, specialized in designing and manufacturing high precision and case hardening gearboxes, couplings, dampers for marine industry, and gearboxes for building materials, hydroelectric power, thermal power, nuclear power and wind power industries, yaw and pitch drive, high precision automobile engine gears. The company was founded in 1966 and locates in Jiangjin District roughly 50 kilometers southwest of Chongqing city. Its total assets amount to RMB 2.3 billion and it covers a total land area of 530 , 000m² , Its total number of the employee is more than 2300.



The Process of our factory

R&D → Moulding and Casting → machining → Assembly → Installation and Commission.

R&D



Moulding and Casting



Machining



Quality Control (Different type of NDT and Heat Treatment)



Testing Equipment



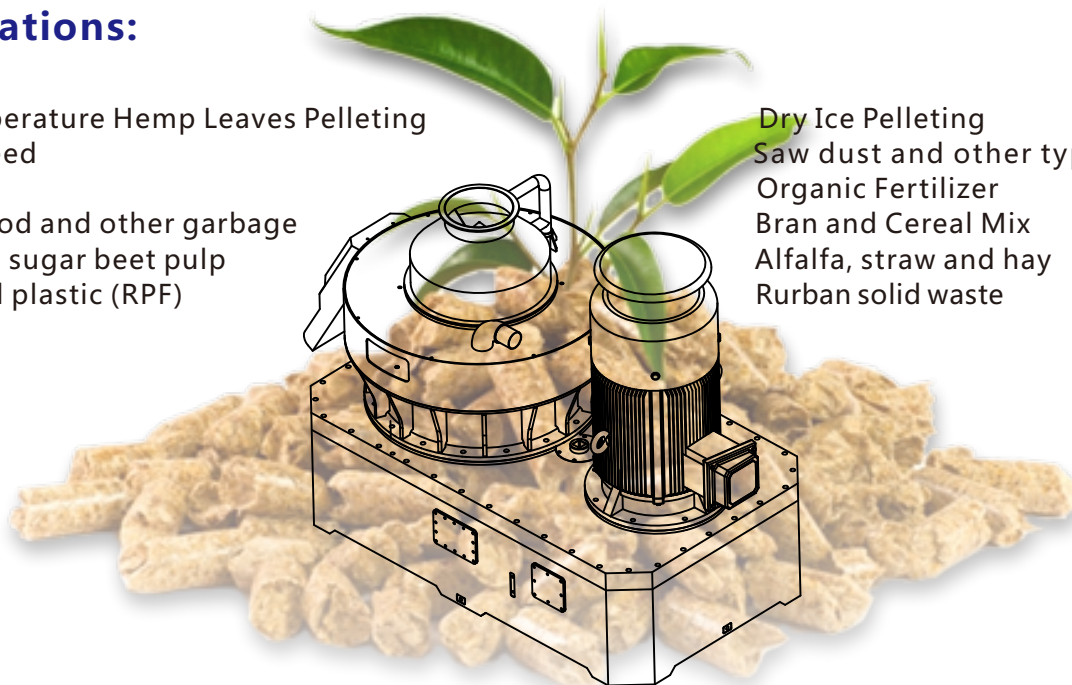
Installation and Commission



Applications:

Low Temperature Hemp Leaves Pelleting
Animal Feed
Compost
Rest of food and other garbage
Colza and sugar beet pulp
Paper and plastic (RPF)

Dry Ice Pelleting
Saw dust and other types of biomass
Organic Fertilizer
Bran and Cereal Mix
Alfalfa, straw and hay
Rurban solid waste



Main Features

Pellet Cutter (We invent new design of bearing to extend service time for the cutter)

Helical Gear (the design service time will be 15- 20 years)

Brand of electric motor is famous and the speed of the electric motor is 4P/6P

Heat Exchange plate is installed to cooling down the oil to make sure temperature is lower than 60 °C

No Bearing inside the roller shell (but underneath)

Two Layers of ring die will extend service time a lot, circled groove will prevent the dust leaking effectively.

Oil Filter to clear up the oil all the time to extend the service time for all the bearing inside.



Technical Data Sheet

Model OSK		OSK 55	OSK220	OSK280
Die	inside Diameter(mm)	580	780	980
	Capacity (T/H)	0.8-1	3-4	5-6
Roller	Quantity	3	3	3
main motor	power (kw)	55	220	280
Feeder	motor (kw)	1.5	2.2	3
	speed (rpm)	500	500	500
outline dimension	mm	2800x1200x1650	3200x1600x1800	3200x1700x2100
Weight	N.W	4500kgs	10000kgs	14390kgs

Large Scale Hay Tub Grinder

The combined tractor power of G1000 is 90-180hp, the rotational speed of the PTO shaft is 1000rpm. According to the different grass grinding lengths, the production efficiency can reach 3-15 tons per hour, and for grain grinding like corns. It can reach 40-70

tons per hour. Besides meeting the farm's self-use requirement of 5000 heads of beefs, it can be also used to process for other farms to collect extra fee, thereby improving the utilization rate of the equipment and increasing more benefits. Grass ground by our machine has a soft texture, which can significantly improve the cattle feed intake of 1.5kg/head/day, and is easy to digest, can effectively improve the beef production, generally increase the meat production of 0.5% to 2%. It grinders grass as well as high wet corn kernels (30% moisture), high grinding efficiency, more than 40 tons per hour, crushing effect is good, can be directly used in high humidity corn silage, high wet corn silage can effectively reduce feed costs, use of silage corn and humidity each head of cattle feed costs can be saved by USD0.5 a day.

Advantage:

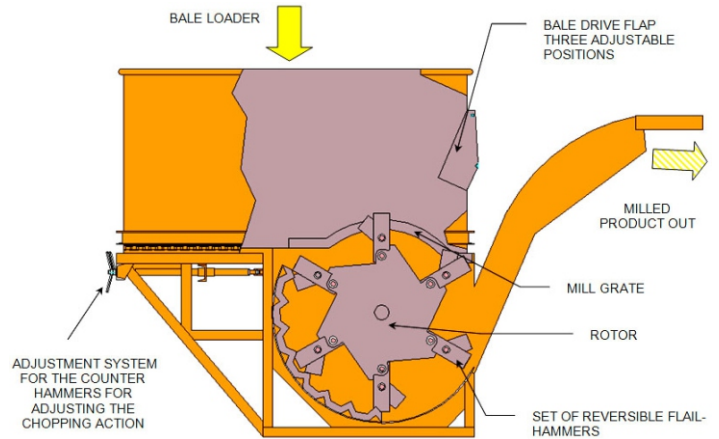
- Simple structure
- Reasonable design
- High Quality steel
- Low failure rate
- Low maintenance cost
- Best Choice for large scale farms

Grass type: Herbage, rice straw, oat grass, alfalfa, corn straw, rape straw, wheat straw, weeds, etc.
 Grains : Corn kernels (high moisture content), corncobs, etc.
 Grinding length: 30-200mm
 Tractor driven power: 90-180 hp
 Motor drive power: 90-150kw



THE INERTIA OF THE ROTOR MACHINED FROM SOLID METAL, WEIGHING 150 KG AND RUNNING AT 1000 RPM, ALLOWS THE USE OF MEDIUM POWERS AVOIDING JERKS AND MOTOR OVERLOADS.

- NO KNIVES, NO BLADES, HAS NO PROBLEMS WITH EITHER BOLTS OR STONES.
- NO SHARPENING, SO NO CHANGES TO FLOW RATE OR WORKING QUALITY.
- NO BELT SO NO SLIPPAGE.
- NO STEP-UP GEARING SO NO MAINTENANCE OR RISK OF BREAKAGE



BEFORE GRINDED



OAT GRASS



HIGH WET CORN GRAIN



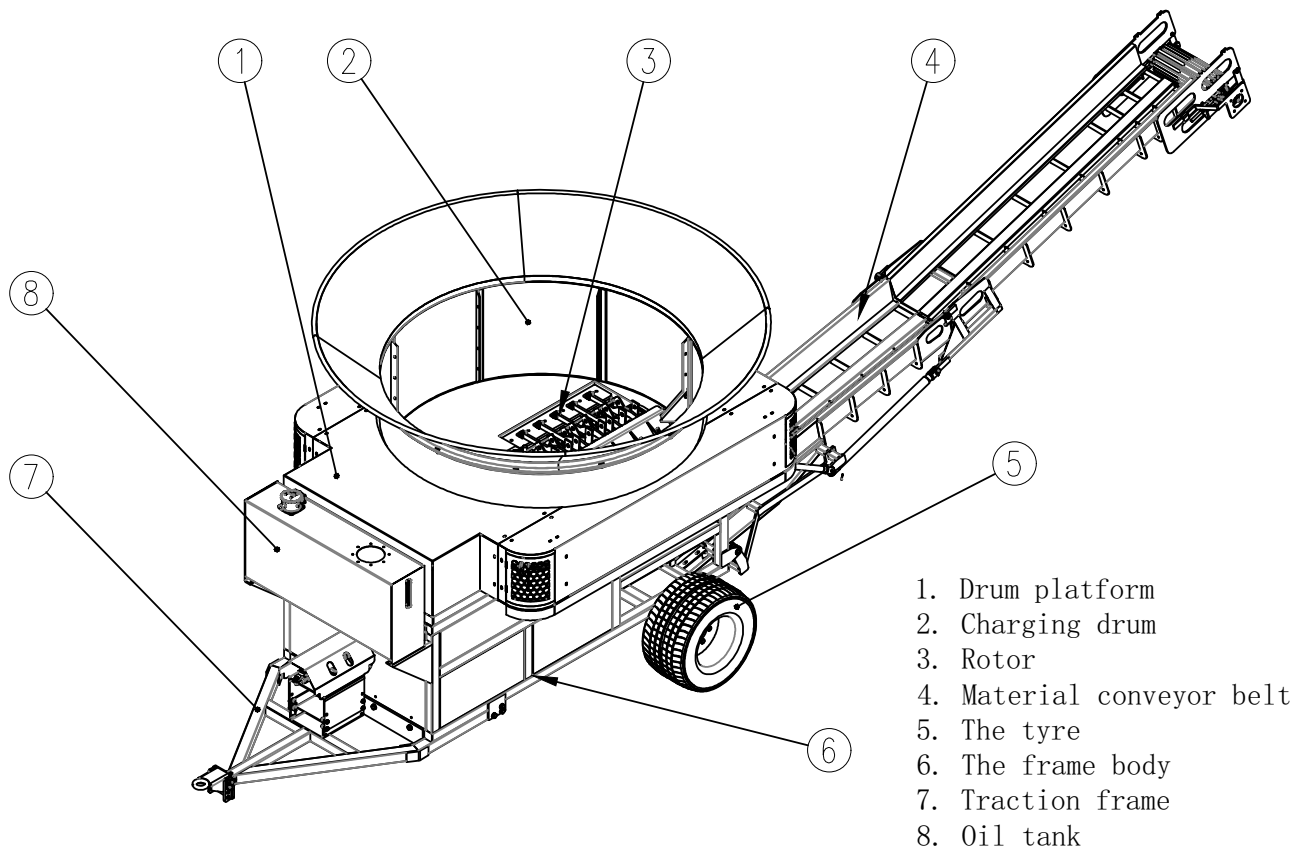
ALFALFA



MAIZE STRAW

AFTER GRINDED





1. Drum platform
2. Charging drum
3. Rotor
4. Material conveyor belt
5. The tyre
6. The frame body
7. Traction frame
8. Oil tank

Technical Parameters — G800	
RotorCutting Mill	Flyknife:wear-resistingalloy material
	Flyknifeshaft:high strength alloy steel
	Bearing SKF
Rotorspeed	speed:1730rpm
flying knife qty	80 pcs
flying knife diameter	680mm
Crushingprinciple	Bladecuttingrushing
Combined power	75kw motor
Motor speed	1450rpm
Screenmesh	thickness:6mm
	Diameterofhole:50mm -125mm
Drum /Tub	Thickness3mm
	Transmissiomode :chaintype
Drum speed	3-8 r/min
Working Efficiency	2-5th
Starting Model	Star triangle start
	soft start optional
	Auto-transformer start optional
Grasstype	grass, straw,wheat grass,alfalfa,corn stalk,rape stalk, straw,weed,etc
Currentprotector	Optional
Overloadprotector	Optional

Technical Parameters — G1000	
RotorHammer Mill	Flyhammer :64 pcs,wear-resisting alloy
	Flyhammer shaft:8pcs,strength alloy steel
	Bearing:SKF
	Drive:PTO
Combined Power	Tractor drive :90-180HP
	Motor drive :90-150kw
	PTO speed:1000rpm
Screenmesh	Thickness:6mm
	Diameterofhole:6mm -125mm
Drum /Tub	thickness:3mm
	outside width:3.2mm
	inside dia: 2.3mm
	depth:0.8m
screwpusher	type:Bi-column symmetric
	length :1150mm
Discharging conveyor	Type:folding hydraulic drive
	maximum lifting height:4.19m
	Belt:rubber
Transporsize	6500x3200x3200mm
	5300kgs

