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## KHL-500 Organic Fertilizer Granulator

Payment Term : T/T ( 30 % of total amount paid when sign the contract as deposit , 70 % value of total amount paid before shipment )

Delivery Time : within 30 days after received 30% deposit .

Warranty period : One Year ( not include quickly wear parts )

**Update:March.03.2020**

<b>Model</b>	<b>KHL-500</b>
Reference Pictures	
Capacity: kgs /h	<b>2000-2500</b>
Type:	Ring die
Raw material moisture content %	30-35
Moisture reduce after granulation processing : %	3-5
Feed material particle size (mm)	0.3-0.5
Pellet. rate:%	>90
Voltage (V)-HZ-P	380/415/440/460V (50/60HZ) 3P
Final granule size : mm	3.5-5.5
Power: KW	56.5
Weight : Kgs	3000
Outlook Size : m	5.0*2.0*1.5

Period of validity : Before the end of April.2020

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**The series of granule machines can make the following raw materials into granules :**



**The Final granule size: 3.0-5.5 mm**

1. Agricultural waste: straw, dregs of beans, cotton dregs, rice bran, etc.
2. Animal manure: mixture of poultry litter (PL) and animal waste (AW), such as, Slaughterhouse waste, Fish market, Urine and dung of cow, Pigs, Sheep, Deer, Chicken, Ducks, Geese, Goat, earthworm cast etc.
3. Industrial waste: wine lees, vinegar residue, manioc waste, sugar scum, furfural residue, Bean cakes, Vinasse slag, Biogas residue, Fruit residue, palm oil residue etc.
4. Residues of urban rubbish or sewage treatment plants.
5. Home scrap: food waste, bones, the roots and leaves of vegetables, etc.
6. Turfs, lignite, sludge, pond sludge, Sucrose slag, starch pulp , Bentonite clay , Diatomite .
7. Organic materials mix with mineral materials.

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## Packaging Type

**Steel Frame with plywood strip cases**

**1-Blower& Pelletizer**



**2-Polishers**



**3-Power Cabinet**



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## Free supply parts

### Maintain Tools



### Power Cabinet



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## Machine Appearance



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## Working Principle

### 造粒部分 PELLETIZER



The raw material goes into the working chamber and fall on the 'dump tray', the raw materials throw into the ring die by centrifugal effect; The ring die and rollers system turning drive-by reduction gears & transmission which energy from the motor.

物料经粉碎、配料、搅拌均匀后，由皮带输送机送入造粒机，经料斗进入工作腔落入甩料盘上，通过甩料盘的离心作用被甩到环模上。

When pressure comes from ring die and rollers system running, cylinder form is forced extrusion from ring die hole, which cut into small pellets as required by cutting line.

电机通过减速机和传动装置驱动环模，和压辊转动，环模与压辊产生的压力使物料被强制挤压通过模孔后形成圆柱状，按要求长度切割成小段后落入罐体中的圆盘上，被高速旋转的转盘向罐壁，沿罐壁作周向运动。



Pellets diameter= Pellets length  
圆柱颗粒直径=圆柱长度



### POLISHER 抛圆部分



The pellets fall onto the disk in the drum, by high-speed rotating disk throw onto the wall of the drum with circumferential movement, the granules in a circular motion at the same time also in radial rotation motion due to centrifugal effect.

由于离心作用，颗粒在圆周运动的同时还作径向旋转运动，通过运动使颗粒之间相互磨擦，将带有棱角的颗粒逐步整型至球型。

Mutual friction makes the granules with edges and corners into balls gradually due to granules' moving. At this moment, ball pellets gradually floating on the top, final granules overflow along with the number of granules increased in the drum.

此球形颗粒逐渐上浮，随着罐内颗粒物料的增加溢流出机外。

Granules diameter 颗粒直径：  
3.0 mm  
3.5 mm  
4.0 mm  
4.5 mm  
5.0 mm  
5.5 mm

