



## Double Shaft Shredder-RHINO Series

### L Metal Plastic Wood Tire Industrial Waste Shredding Double Shaft Shredder Machine

#### Product Description:

1. The whole machine is controlled by PLC through automatic detection, alarm and overload automatic reverse, which can automatically adjust and control the feed amount
2. Heavy-duty moving blade, high crushing power, the tools are cast with alloy tool steel and wear-resistant die steel, which has long service life, the thickness of the blade and the number of teeth can be changed according to different materials
3. The frame plate is thick, resistant to high torque and very strong.
4. The equipment has the characteristics of low speed, high torque, low noise and dust to meet environmental standards.
5. Wide range of functions, can shred various materials.
6. Easy to adjust, low maintenance cost, economical and durable.



<b>Model</b>	<b>RHINO-30</b>	<b>RHINO-40</b>	<b>RHINO-50</b>	<b>RHINO-50</b>	<b>RHINO-60</b>	<b>RHINO-80</b>	<b>RHINO-100</b>	<b>RHINO-120</b>
<b>Power(KW)</b>	4.0+4.0	7.5+7.5	15+15	22+22	30+30	45+45	75+75	110+110
	7.5+7.5	11+11	22+22	30+30	37+37	55+55	90+90	132+132
<b>Cutting chamber dimensions(mm)</b>	300*300	400*400	520*500	520*800	620*1080	820*1200	1020*1500	1220*1800
<b>Blade Diameter (mm)</b>	170	214	280	280	350	400	500	600
<b>Blade Thickness (mm)</b>	10/20/30	10/20/30	10/20/30	10/20/30	20/30/40	30/40/50	40/50/60	50/60/80
<b>Cutter shaft speed (rpm)</b>	18/20	18/20	18/20	10--20	10--20	5--20	5--20	5--20
<b>Weight(kg)</b>	980	2100	3900	4800	5500	9500	22500	36800
<b>Recommendation Process</b>				Conveying waste-biaxial shearing shredding- discharging shredded waste				
<b>Model</b>				XRD80				
<b>Final shredded size</b>				Width: around 50mm Length: around80mm(flexible material is greater than 80mm)				
<b>Output</b>				4-8ton/H(Continuously convey waste)				

## Host equipment

RHINO 80	Component	Motor, reducer, shredding host, rack product platform, upper and lower waste hopper, dust cover, observation escalator
	Motor Brand	Siemens Bede or Southern Anhui
	Motor Power	90(45+45)KW
	Motor Quantity	2 pieces
	Speed/minute	25-30circle/minute
	Gearbox Quantity	2 pieces
	Blade box Dimensions(width * length)	820mm*1200mm
	Blade shaft material	42CrMo,9crsi--9,Cr12MoV,SKD-11
	Blade diameter × thickness	Φ400*50
	Blade quantity	24 pieces
	Blade material	Imported CrNiMo high-strength alloy steel Blade (provide material report)
	Blade reparability	Blades can be welded and repaired
	Overall dimensions	4539mm×2450mm×3052mm
	weight	9.2ton
Dimensions	600*1200*2000mm	

Intelligent control cabinet	configuration	Equipment is controlled by PLC
	control cabinet	Stable control performance
	Overload protection	The PLC monitors the entire running process of the equipment in real time. When the equipment is overloaded, it automatically shuts down and reverses to reload the fabric. The equipment starts automatically after the unloading is completed. The machine will automatically stop within 8 seconds after the card machine, the rotor will automatically reverse for 8 seconds after the interval of 8 seconds, and then the machine will restart the forward rotation shredding (total time 32s) after the shutdown interval of 8 seconds. If it continues to detect overload, it will automatically alarm, stop and protect the device.
<b>Auxiliary equipment</b>		
Waste-in conveyor	component	Drive mechanism, tensioning device, slats, drive and redirect Sprocket frame
	Power	7.5KW
	Speed	15m/s
	Effective convey width	1500mm
	Effective convey length	8000mm
	Chain plate material	≥3mm thick galvanized carbon steel
	Max load	2000kg
Waste-out	Power	4KW

conveyor	Speed	30m/s
	Effective convey width	1000 mm
	Effective convey length	7000 mm
	Material	High-quality carbon steel + wear-resistant rubber belt
	Max load	500kg

<b>Parts</b>	
Blade material	Blade is made of imported alloy steel with high wear resistance and impact resistance. After the blade is worn, it can be coated and repaired by welding
Spindle	High-strength spindle 42CrMo quenched and tempered
Sealing method	Bearing quadruple-sealed protection design of effective dustproof and waterproof, and extend bearing service life, it can work normally in high dust and outdoor environment
Hopper	Can be designed according to the actual situation of the customer
Wall panel base	Modular assembly of welded parts facilitates disassembly and maintenance
Rack size/mm	200*150*8mm
Guardrail	40*40*3mm Square tube, painted antirust treatment, yellow warning color
platform	3mm thick skid plate
Bladed box	20mm Board welding
Color	Engineering Blue + Engineering Yellow
Anti-rust treatment	Environmental protection water-based metal anti-rust paint
Running noise	The 1-meter no-load noise is less than 85db(A), the load noise varies according to the material conditions, and it does not disturb the people outside 100M.
<b>Device original</b>	
Power requirements	440 V+/- 5 %/50 Hz
control box	ABB electrical components, stable control performance
Overload protection	PLC monitors the entire operation process of the equipment in real time. When the equipment is overloaded, it automatically stops and reverses to reload the fabric. After the unloading is completed, the equipment starts automatically. Stop within 8s after card machine-interval 8s-reverse 8s-interval 8s-start to work normally after 18s (total time 50s)



**COW DUNG DEWATERING MACHINE**



## Application Areas

The shredder machine application areas:
>>Electronic waste;
>>Scrap (components, subassemblies; consumables);
>>Metals(lead, aluminum, copper, cable, barrels, sheet scrap);
>>Aluminum cans;
>>Wood(wooden pallets or fruit boxes);
>>Plastic(plastic bottles, canisters or pipe);
>>Waste tire, rubber;
>>Waste household appliances: TV, washing machine, refrigerator shell;
>>paper waste
>>The food waste, garbage, animal carcasses, RDF derivatives, medical waste, biological straw, garden garbage.
>>Leather, artificial leather, leather shoes, leather clothes, leather hand bags.