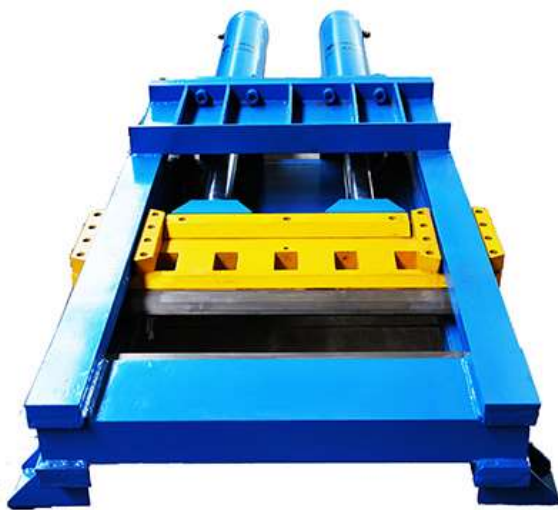


Ragger, Rope Cutter, Grapple

Ragger, Rope Cutter, Grapple are used in continuous pulping systems, matching with hydropulper, to handle heavy and light contaminants.



Advantages

- Ragger and Rope Cutter are used together with pulper, to drag the rope out of pulper and cut off for easy transportation.
- Long moving route of cutter to avoid rope block and plug.
- Designed with double hydraulic cylinders to ensure enough cutting force.

Ragger is used for coarse screening and cleaning and match with hydrapulper, make contaminants in waste paper such as wires, strings, plastics, yarns and alike twine continuously during the running of hydrapulper, forming a rope and pulled out and discharged. Thus the furnish is preliminarily cleaned. The machine has advantage of higher work efficiency, lower energy consumption, simple structure and easy to operate and maintain, etc.

Grapples are used in continuous pulping system with lifting equipment to take heavy and light contaminants out from the sediment well.

Grapple is mainly made of an air cylinder, four tines and a connecting rod. Grapple and sediment well work together to form a cleaning system. When grapple goes down, tines are opened to the biggest size. When drop above pulp level in sediment well it can take out light impurities, while under pulp level it can take out heavy impurities. The rated loading of grapple reaches 300kg.

Rope cutter is a coarse screening and cleaning equipment, working together with hydrapulper and ragger. The rope formed by winding contaminants like wires, strings and plastics, etc. by ragger will be dragged out by ragger, and then cut by rope cutter to desired length and finally carried away.

Structure And Principle

Ragger:

Ragger is made up of rack, motor, reducer, pressing wheel, landing gear, reel and guide wheel, etc. The motor drives the reel via reducer. The reel runs slowly and pulls out rope impurities. The running speed and direction of twined rope is adjustable accordingly. The twined rope is compacted by compressing wheel and the pressure is also

adjustable by landing gear. Guide wheel supports the twin rope and reduce its running resistance. The ragger structure is simple and compact.

Grapple:

Grapples are made of four tines, air cylinder, connecting rod, lifting ring base, pin roll, cylinder set casing, hinge and so on. Auxiliary attachment: pneumatic triad, two-position four-way magnetic exchange valve, air supply and so on. Cleaned air and atomized oil in the triad enter the cylinder then the piston rod drives the tines by articulated mechanism. Close the tines to grab and open to load.

Cutter:

Components: rope cutter comprises frame, blade, hydraulic cylinder, hydraulic pump station and control parts. The frame is mainly used to fix hydraulic cylinder, blade and blade table, and as the directive slide track for blade. Blade and blade table are the main parts to cut off rope. Raw material of blade and table is alloy tool steel with high hardness, toughness and abrasive resistance. The function of hydraulic pump station supplies power (hydraulic energy) of rope cutter. Control part is used to control the operation of rope cutter.

Technical Data of Ragger

Model	JSJ600
Roping Speed (m/h)	0-60
Motor Power (KW)	4
Outline Dimension (L*W*H) (mm)	1900*1700*1700

Model	QS35
Working Pressure (MPa)	25
Hydraulic Pressure (T)	2*50

Cutter Route (mm)	850
Pump Station Motor Power (KW)	11
Oil Tank Volume (L)	180
Equipment Weight (Kg)	1650

Model		ZD1 (4 TINES)	ZD2 (2 TINES)	ZD3 (4 TINES)
Rated Load Lifting Capacity (Kg)		1000	1500	2000
Load Capacity (Kg)		300	800	1300
Bucket Capacity (m3)		0.05	0.4	0.2
Outline Dimension (mm)	When Closed	Φ 700*1410H	940*1050*1910	Φ 1120*1950H
	When Opened	Φ 1050*1350H	1580*1050*1940	Φ 1560*2114H
Rated Air Pressure (MPa)		0.6	0.6	0.6
Air Cylinder Tension (Kg)		1800	1800	2200
Working Temperature (°C)		-15-50	-15-50	-15-50