

Steel - Carbon Remover Machine

Fabhind Pvt Ltd Was Stablished In 1998 .And We Obtained 25 Patents And 2 Invention Patents. Our Company Is Specialized In Designing, Researching, Producing The Waste Recycling Equipment And Provide Waste Treatment Solutions. We Have Professional Technical Team To Provide High Quality And Efficient After- Sale Service.

Our Products Are Successfully Exported To Indian Market and Also African Market, Southeast Asia, Middle East, South America ,Egypt And Other Countries.

High Quality, High Efficiency, Energy Saving And Environmental Protection Is The Belief That Our Company Has Been Firmly Established.

Dabble Shaft Shredder Machine



Waste metal recycling machine is a large project with a high rate of return.

Recycling an old aluminum can will save up to 20 % of the cost of making a new can, meanwhile, can also save 90% - 97% of the energy.

Recycling 1 ton of scrap steel will produce

0.9 tons good steel, which is equivalent to saving 3 tons of mineral, meanwhile, it will save 47% of the cost.

At the same time, can reduce the air pollution, water pollution and solid waste.

Recycling of scrap metal not only alleviate the resource demand, also protect the environment, and a great economic benefits.

Collection: The metal is different with other waste, usually it will be sold to scrap yards

Processing: Shredding is done to promote the melting process

Sorting: Separate iron, copper, aluminum, zinc

Melting: Scrap metal is melted in a large furnace

Purification: To ensure the final product is of high quality and free of contaminants

Solidifying: To cool and solidify the metals

Transpiration: Ready to sell

The advantage of recycled scrap metals :

1. The neat shape of recycled metals, the specifications are similar, with high specific gravity.
2. Less attachments, remove paint, dust and other impurities when crushing
3. High purity can be melting directly in furnace.
4. Reduce transportation volume and save shipping cost.
5. The benefits of recycled steels as raw material for steelmaking
 - Improve the smelting capacity, and high proportion of molten steel smelted to feeding scrap steel.
 - Heat evenly in the furnace, Shorten smelting time, and prolong the service life of furnace lining

- Reduce air pollution and slag,
- Stable chemical composition of molten steel, lower content of sulfur and phosphorus.
- Reduce power consumption per ton of molten steel.
- When mixed with other scrap steel, the crushed steel can fill the voids to improve the feeding density.

Item	Requirement	
Customization	Material	Scrap Burnt Steel Wire After Pyrolysis
	Capacity	2 Tons Per Hours
	Finished Product	Crushed And Cleaning Steel Wire
Workshop Requirement	Equipment Foot-print	Indoor or Out Door
	Facilities Requirement	The Factory Building is Required to have a concrete floor with a thickness More Than 15 CM
Man Power List Requirement	Electricals	1 Person
	Mechanicals	1-2 Person
	Operator	1-2 Person
	Supervision	1 person



Total 150 KW Power Required

NO.	Content	Function	Total Power	QTY
1	Feeding Conveyor	Deliver pyrolysis steel wires into shredder	3KW	1 Set
2	Primary Double-shaft Shredder	Shred steel wires into small boudles	37.2 x 2 KW	1 Set
3	FAB-1000	Delivery steel wires into vertical hammer mill	2.2KW	1 Set
4	Vertical Hammer Mill FAB-1000	Crush steel wires into ball type metal and remove impurity	55KW	1 Set
5	Belt Magnetic Separation	Separate ferrous and nonferrous metal	2.2KW	1 Set
6	Rubber Output Belt Conveyor	Deliver ferrous metal	2.2KW	1 Set
7	Rubber Output Belt Conveyor	Deliver non ferrous& impurity metal	2.2KW	1 Set
8	Dust Collector Machine	Collection of dust	4KW	1 Set
9	Siemens Brand PLC Control Cabinet	Control the whole plant	Total KW 145 KW	1 Set

Function:

Crush The Scrap Metal Into 50 Ball-Shape Metal

Main Machine Equipment List

Belt In Put Conveyer Special For Steel Wire Width 1 800 MM 1 Nos

Main Steel Remover Machine 1Nos

Steel Out Put Belt Conveyer 1 Nos

Steel Rubber Belt Magnate Separator 2Nos

Out Put Conveyer 1 Nos

Feature:

Large Output, High- Efficiency To Crush The Metal Specification

- Hammer Material: Mn13Cr2
- Power:55kw



Main Features

The Blade Of The Scrap Metal Crusher Is A Meshing Blade Made Of High Alloy, Which Has A Good Pulverizing Effect On Any High Hardness Material.

It Is Driven By A Geared Motor, Which Saves 20% Of The Electricity Compared To Other Motor.

Starting Smoothly Without Much Noise, And Has A Foundation Installed, And The Noise Is Very Small.

It Has A Strong Structure And A Dense-Type Stiffening Plate To Ensure The Strength Of The Box.

Hydraulic Unpacking: If There Is Extra-Thick Material Entering And Abnormal Machine Noise Is Heard, The Hydraulic Unpacking Device Of The Box Can Be Opened Directly, And The Material Can Come Out To Protect The Machine. It Is Convenient For Maintenance In The Later Stage.

Main Form	Machine Body:
	It Is Welded By Q345b 30mm Thickness Liner Plates
	Machine Overall Size: 2100 X 1100 X 2200 MM
	Rotate Speed: 800r/Min
	Power: 55 KW
Hammer Head	Material: Mn13Cr2





Hammer Head

- High Hardness And High Wear Resistance Are Obtained After Forging, Quenching And Heat Treatment.
- The Symmetrical Structure Of The Hammer Head Is Balanced After Assembly To Ensure Stable Work.





Belt Magnetic Separator

Function:

Separate Ferrous And Non Ferrous Material

Feature:

Magnetic Separation Efficiency Reach 99.5%

Continuous And Stable Operation

Specification

- Length *Width: 4000*800mm



Control Cabinet



Feature:

Automatic Detection, Alarm And Overload Protection Functions

Automatically Adjust And Control The Feed Amount.

Automatic Reverses, Forwards

Feature:

Long Service Life, Not Easy To Stretch, Canvas Sandwich, High Wear Resistance

