"High Performance Waste Processing in Recycling Facilities with Scrap Cutting Baler"

Use of Scrap Cutting Baler in Metal Recycling

The Scrap Cutting Baler offers a comprehensive solution to businesses that want to process and recycle heavy and light **metal materials**. This versatile **metal press** machine is used to compress scrap into a **bale** or cut it to prepare it for transportation. Among **the advantages and features of the scrap cutting baler**, **models such as** aluminum press machine and **scrap iron press stand out with** their large **charging box** openings and high-tonnage fixed units**.With the hydraulic scrap press**, metals such as **steel**, **copper**, **stainless steel** can be processed efficiently. Stationary scrap press machines allow to obtain dense bales by compressing large volumes of materials with high force. Portable **scrap presses** are a suitable alternative for processing lightweight and lower-force materials.

In terms of scrap cutting baler application areas and performance, models that are effective in the shredding of large metals such as casting scrap, pipes, beams and automobiles operate in a short time with a double-shaft hydraulic system. Scrap press models provide high volumes with a production capacity of 22 to 30 tons per hour and cut or bale large materials in a short

time. **The special components and technological features of the scrap cutting baler** include durable steel components and side clamping assembly. The air cooler system contributes to the protection of parts by keeping the oil temperature to a minimum. **The user-friendly interface and** remote control with **PLC control** ensure easy and effective operation.

In terms of Safety and Efficiency**, scrap cutting baling presses** isolate machines during operation with protection barriers and ensure safe operation. Improves the stability of operation with the automatic cooling system. **The diesel engine option** provides high performance by offering continuous use even in power cuts. **Considerations when choosing a scrap cut baler** include the type of material, processing volume, charging case size, and production requirements. **Long-lasting** use and easy maintenance features ensure low operating costs for businesses. **Scrap press machines** equipped with **electric or diesel engine** options and **hydraulic system** increase the recycling efficiency of businesses and offer cost advantages.

Scrap Cutting Baler: Efficient Compaction Solution of Bulky Metal Waste

The Scrap Cutting Baler is a powerful machine that combines the functions of **scrap press** and **scrap baling press**, specially designed to speed up the recycling of metal waste**.The metals, whose volume is reduced and compacted by** the metal press process, are subjected to the **press metal** process and become ready for transportation. Especially by using **a scrap cutting baler**, various types of metals such as steel, copper, aluminum can be processed and reused. Thanks to **their hydraulic scrap press** systems, these machines work with high pressure, allowing even heavy metals to be easily compressed.

Models such as scrap iron press and **aluminum scrap press** large volumes of waste and turn them into small bales with the feature **of metal scrap press**. Thus, while storage and transportation costs are reduced, compact models such as **aluminum press machines** provide businesses with an efficient recycling process. **Thanks to the features of the scrap cutting baling press**, metal wastes are compressed and become portable. In addition, **metal**

press machine and **press scrap** machines offer enterprises the opportunity to produce high capacity.

The scrap cutting baler **is designed with the high durability required for** the pressmetal process and is produced using quality materials in the **scrap press manufacturing** processes. In particular, it is possible to easily press even large metal parts with **top-pressing scrap press** models. Available in both portable and stationary models, **the scrap shear baler** offers an ideal solution for modern recycling facilities and **offers a wide range of options in terms of** scrap press machine prices.

High Performance Waste Processing in Recycling Facilities with Scrap Cutting Baler

Scrap Cutting Baler Performance and Efficiency

High Density Compression

The scrap cut baler makes metal materials into high-density bales, reducing storage and transportation costs.

Customizable Cutting & Baling

The scrap cutting baler is capable of making different sizes of bales and cuts according to customer needs.

High Energy Efficiency

Thanks to its powerful hydraulic system, the scrap cut baler optimizes energy consumption and reduces operating costs.

Modular Structure and Easy Installation

With its compact structure and modular features, the scrap cutting baler allows easy installation in various facilities.

Scrap Bale Cutting Machine Usage Areas

The scrap metal cutting baling machine enables to compress thin metal materials up to 5mm thick, **various metals such as scrap steel**, **scrap iron**, wire rod into rectangular bales. In addition, **the metal scrap cutting baler** stands out with its capacity to cut bales into different lengths according to customer requirements, making it **easy to store and transport scrap metal**. At the same time, it provides qualified furnace charging for metal smelting plants and **is widely used in** waste metal recycling plants **and** metal smelting plants.

The scrap cut baler offers long-lasting use with its sturdy frame construction and **is designed to provide many years of uninterrupted service**. This **scrap press machine** allows higher side clamping forces to be achieved **with its clamshell box construction, which has been specially developed for superior capture of bulky materials** . Thanks to the heavy-duty frame construction, the problems associated with cutting thick materials are reduced. The **scissor blade on the machine offers high** cutting efficiency **with its superior cutting angle and bolted connection system** . Offering easy maintenance with external pin and guide settings, this **scrap cut baler** minimizes downtime.

The scrap cut baler offers higher **baling efficiency by providing high baling pressure** and density. Easy maintenance and long life are ensured thanks to the externally adjustable liner plates, while **the metal scrap press is** equipped with real-time diagnostics and operational reports. These features **allow the material loading process** to be easily managed from start to finish. Our company**'s scrap metal cutting baler provides** reliable, long-lasting and high-performance **waste processing solutions**, ensuring high efficiency in the field of recycling and waste management.

Scrap Cutting Baler Frequently Asked Questions (FAQs)

- **What Types of Metals Is The Scrap Cutting Baler Suitable For?**
  Scrap cutting baler; It is designed for compressing **and cutting steel, aluminum, copper, iron and similar metal scraps**. Thanks to its large processing capacity, it enables both light and heavy metals to be compacted. This machine offers high efficiency in the processing of metal wastes of different densities and thicknesses, from thin sheet metal pieces to thick iron profiles. Having a hydraulic scrap press system provides stronger results with less energy in the cutting and baling processes of metals.
- **How Does a Scrap Cutting Baler Work?**
  Thanks to the hydraulic pressing system**, the scrap cutting baler** ensures that the metals are compressed and cut into bales when necessary. The scrap placed inside the machine is compressed under high pressure with the help of powerful pistons. When necessary, the integrated cutting unit is activated and performs the shredding process. Thus, metal scraps are brought to sizes suitable for transportation and recycling. This system saves both labor and time.

- **How to Maintain a Scrap Cutting Baler?**
  Scrap cut balers are **designed to be modular and easy to service**. In this way, maintenance operations can be carried out practically and quickly. Adjustable liner plates, easily replaceable blades and hydraulic system connections allow operators to intervene in a short time. Periodically, oil level control, filter cleaning, tightness check of hose and connection points should be carried out. Regular maintenance ensures efficient and long-lasting operation of the machine.
- **Is a Scrap Cutting Baler Energy Efficient?**
  Yes, scrap cut balers are equipped with **high-pressure but low-energy consumption** hydraulic systems. In this way, enterprises can achieve high production capacity while reducing energy costs. Especially in models such as aluminum scrap presses, energy efficiency is optimized and it is aimed to do more work with less resources. In addition, automatic stop-and-go features ensure that the machine only runs when necessary, increasing energy savings.
- **In Which Sectors Is Scrap Cutting Baler Used?**
  Scrap cutting balers; It is used in many areas, especially in recycling **facilities, metal smelting factories, automotive industry, steel production centers and construction industry**. These machines **streamline waste management and optimize workflows, especially in facilities that generate high volumes of metal waste**. Thanks to its large baling capacity, it both regulates warehouse management and contributes to the recycling process.
- **Does the Scrap Cutting Baler Have Customization Options?**
  Yes, scrap cutting balers **can be customized according to the purpose of use and the need of the business**. Many components such as charging chamber dimensions, bale output dimensions, engine power, blade structure, automatic control systems can be adjusted according to needs. Thanks to these customization options, businesses can achieve maximum efficiency by choosing the most suitable machines for their production lines.
- **Is The Scrap Cutting Baler Portable, Or Does It Require Fixed Installation?**
  Scrap cutting balers can be produced in two different formats, **portable and stationary models**. While portable models provide ease of use in different areas with mobile systems; Stationary models are used in facilities that require high capacity and continuous operation. Portable systems are an ideal solution for small and medium-sized businesses.
- **What Are The Safety Features Of Scrap Cutting Baler?**
  These machines are **equipped to keep work safety at the maximum level**. The safety of the operator is prioritized thanks to the emergency stop button, protection cages, sensor door locks and automatic locking systems. In addition, the doors that can be opened while the machine is running are automatically locked and the system stops. In this way, both equipment safety and user health are protected.
- **Is Training Required to Use a Scrap Cutting Baler?**
  Yes, basic operator training is required **to operate the scrap shear baler safely and efficiently**. Having knowledge about the correct use of the control panels of the machine, the sequence of pressing and cutting processes, and safety protocols both increases the production quality and prevents occupational accidents. MT Makina offers post-installation training support to its customers.
- **Is a Scrap Cutting Baler Guaranteed?**

Yes, scrap cut balers come **standard with a 1-year warranty**. This warranty period can be optionally extended depending on customer request. Under warranty; Free technical service, spare parts supply and remote support services are offered against production defects. MT Makina also stands by its customers in after-sales technical support processes.

Scrap Cutting Balers - General Specifications

Cutting Force	700-1400 T
Side Clamping Force	2 x 120-200 T
Upper Press Force	120-250 T
Driving Ram Force	120-200 T
Cutting Width	800-1100 MM
Hopper Length	6000-8000 MM
Hopper Width	2500 MM
Bale Size	800 x 600 MM
Capacity	10–50 T/H
Engine Power	180-400 KW
Machine Weight	70-130 T
Control System	PLC Controlled
Blade Material	Special hardened steel
Cooling System	Existent
Hydraulic Components	Parker / Vickers / Kawasaki
Electrical Components	Siemens / Schneider
Lubrication System	Automatic
Hopper Sheets	HARDOX 450–500
Security	Emergency stop, Laser Scanner