



"Efficient and Safe Bone Processing Solutions with Bone Crushing Machine"

Industrial Solutions with Bone Crushing and Shredding Machine

The bone crushing shredding machine is a powerful and versatile industrial equipment specially designed to cut animal bones into small pieces. The bone crushing machine, **which is widely used in many industries such as** meat processing plants, pet food manufacturers, **food processing enterprises, organic fertilizer manufacturers and biopharmaceutical companies**, stands out with its capacity to process both fresh and frozen bones. **The bone shredding machine**, which can effectively shred animal bones such as **chicken, fish, cattle and sheep**, can work integrated with the **bone grinder machine** used to turn the bones into mud after the crushing process.

Equipped with its powerful hydraulic system and durable steel blades, **the frozen meat shredding machine** facilitates the process by breaking the bones to the

desired dimensions thanks to its high-pressure structure. **The bone crushing machine** offers long-lasting and safe use with its wear-resistant stainless steel structure in accordance with hygiene standards. The bone crushing machine, which offers adjustable crushing sizes between 5 mm and 50 mm according to various needs, provides cost advantages to businesses with bone **crushing machine prices** options of different capacities. Thanks to its low maintenance and easy-to-clean design, the **bone crusher machine** simplifies daily cleaning operations.

Equipped with advanced safety features such as overload protection and automatic stop, **the bone shredder** prioritizes operator safety and reduces potential accidents. **Known as a bone crusher machine and bone shredding machine**, this equipment provides fast and effective processing of bones, while also being suitable for high-capacity production processes. The bone-in meat shredding machine, which is heavily preferred in meat processing, pet food and organic fertilizer production, offers efficient solutions for different processing needs and provides cost savings to businesses.

Bone Crushing Shredding Machine

Performance and Efficiency

- **High Efficiency and Speed**
The bone crushing machine allows large volumes of bones to be broken quickly and effectively, speeding up the production process. Its high capacity increases the daily throughput.
- **Hygiene and Durability**
The stainless steel body and parts ensure the longevity and durability of the machine, while providing a hygienic working environment. This feature ensures reliability in the food and biopharmaceutical industries.
- **Ease of Maintenance**
Thanks to its easy-to-clean structure and adjustable parts, the maintenance processes of the bone crusher machine are fast and practical. This ensures uninterrupted production.
- **Various shredding sizes**
The bone crushing machine offers adjustable crushing sizes from 5 mm to 50 mm, adapting to different production needs and offering flexibility to the user.

Bone Crushing Shredding Machine Technical Specifications

MODEL	SHREDDING AREA (MM)	CAPACITY (KG)	ENGINE GÜCÜ (KW)
TSB-300	300	20-50	7,5-15
TSB-400	400	30-60	11-15
TSB-600	600	60-100	15-30
TSB-800	800	100-300	30-55
TSB-1000	1000	500-1000	30-90



Bone Crushing Shredding Machine Advantages

The cattle bone crushing machine is a powerful and versatile industrial equipment specially designed to cut animal bones into small pieces. Often used in the meat processing industry, animal feed, fertilizer and gelatin production, **bone crusher** and **bone grinder** machines grind a variety of animal bones into bone meal to be used as a nutritious supplement . **The bone shredding machine** stands out for its capacity to process different types of bones, such as chicken, fish, cattle, and sheep, and offers excellent results in the processing of both fresh and frozen bones. These devices can work integrated with the **bone grinder machine** that turns bones into mud on the production line and cater to various industries such as pet food, organic fertilizer, biopharmaceutical products.

The beef bone crusher usually has a large chamber where the bones are fed into the machine, and the sharp blades or grinding wheels located inside break the bones into small pieces. **The bone-in meat shredder** is durable and long-lasting thanks to its blades made of high-quality alloy steel. In addition, these knives are specially heat treated and have superior wear resistance, which gives the advantage of long-term use for **frozen meat shredding machine**. With motor overload protection device and power protection that ensures personnel safety, the **bone crusher machine** is user-friendly in terms of both safety and efficiency.

The bone crushing machine is especially ideal for crushing hard materials such as bone soup, sausages, ham, pet food and biological products. **The bone shredding**

machine can crush bones into small pieces of 5-80 mm in size or into a paste-like structure. **The bone shredding machine** has motor overload protection device, thus improving safety. It provides hygiene with its easy-to-clean feature and can be customized for different usage areas.

Bone crushing machine prices may vary **depending on its capacity, durability, engine power and safety features** . The right **bone crusher machine** selection should be made depending on the business volume of the enterprise and the types of bones processed. With its robust structure, easy cleaning and high efficiency, **the bovine bone crusher is** an effective solution preferred by businesses in the food processing, pet food production and biopharmaceutical sectors.



Bone Crushing Shredding Machine Usage Areas

Bone crushing machine is a versatile equipment used in many fields such as food processing, pet food, organic fertilizer, gelatin and collagen production. It is used in food processing and spice production, making sausages, dumplings, bone broth and spices; **The bone crusher** grinds the bones into powder or paste, making them ready for the process. **The bone crusher machine for pet food production** produces bone meal, **which provides essential minerals such as calcium and phosphorus in pet food** . In the production of **organic** fertilizers, broken bones are used as raw materials for fertilizers used as plant nutrients. In **the production of gelatin and collagen**, crushed bones are preferred for the production of gelatin and collagen, which are widely used in the food, cosmetics and pharmaceutical industries. In addition , **calcium and minerals obtained from broken bones are used in pharmaceutical products** in the production of medicinal products.

When choosing a bone crusher machine, it is important to evaluate some features according to the needs of the business. **Capacity and speed** ensure that the production capacity is suitable for the daily throughput. **In terms of durability and material quality**, its stainless steel structure offers an advantage in terms of long-term use and hygiene. In terms of safety, the bone shredding machine with safety features such as overload protection and automatic shutdown **is an ideal option for worker safety**. The **bone-in meat shredding machine**, which has **automatic feeding and unloading** feature, reduces labor costs by accelerating business processes thanks to conveyor integration. It provides efficient use with **its ease of maintenance**, easy-to-clean and maintainable features.

Bone crushing machine prices vary according to various factors such as model, capacity, material quality and conveyor compatibility. High-capacity and durable machines provide a cost advantage to businesses by offering the advantage of long-term use. When evaluating **bone crusher machine** prices, considering criteria such as energy efficiency, ease of maintenance and suitability for usage areas ensures that the right investment is made for businesses.



Bone Crushing Machine Frequently Asked Questions (FAQs)

What Types of Bones Can a Bone Crushing Machine Process?

The bone crushing machine can process many different types of bones, such as cattle, sheep, fish, and chicken. The bone shredding machine is effective in breaking down both frozen and fresh bones.

How Does a Bone Crushing Machine Work?

The bone crusher machine, with its powerful hydraulic system, breaks the bones with rotary blades in the feeding chamber. In this process, the bone crushing machine completes the process by bringing the bones to the desired dimensions.

In Which Sectors Is the Bone Crushing Machine Used?

Bone crushing machine is used in many industries such as food processing, pet food production, organic fertilizer production, etc. A bone crusher is a suitable solution for different production processes.

Is a Bone Crushing Machine Energy Efficient?

Yes, the bone shredding machine has a hydraulic system that is energy efficient. This feature provides high efficiency while reducing the energy costs of businesses.

How to clean in a bone crushing machine?

The bone crusher machine is easily cleaned with its stainless steel structure and openable chamber. The bone crushing machine can be cleaned quickly in accordance with hygienic conditions.

How Are Bone Crushing Machine Prices Determined?

Bone crushing machine prices may vary depending on the capacity, engine power and additional features of the machine. Features suitable for needs affect bone crusher machine prices.

Why is the bone crushing machine optionally made of stainless steel?

The bone shredding machine is optionally made of stainless steel for durability and hygiene. This structure provides a long-lasting use for the bone crushing machine.

Are Bone Crushing Machine Blades Adjustable?

Yes, the bone crusher has an adjustable blade system. The bone crushing machine can be adjusted to the desired part sizes, which adapts to various production requirements.

What Safety Features Does a Bone Crushing Machine Have?

The bone crusher machine offers safety features such as overload protection and emergency stop. The bone shredding machine is designed to ensure operator safety during use.

How to Maintain a Bone Crushing Machine?

The bone crushing machine requires maintenance with regular blade checks, lubrication and cleaning. This maintenance process keeps the bone crusher performance at a high level.

What Sizes Of Bones Can A Bone Crushing Machine Break Up?

The bone crushing machine can reach part sizes ranging from 5 mm to 50 mm, depending on the model. Thanks to the sieve adjustments, bone crushing can be performed in the desired size according to the purpose of use.

Can a Bone Crushing Machine Also Process Soft and Cartilaginous Bones?

Yes, the bone crushing machine can easily process not only hard bones, but also soft bones, cartilages, and joint parts. This feature is particularly advantageous for the evaluation of animal by-products.

In Which Areas Are the Materials Obtained by the Bone Crushing Machine Used?

- **Pet food production:** Bone meal and small bone pieces are used to make food.
- **Fertilizer production:** Ground bones are used as raw materials in the production of organic fertilizers.
- **Biofuel production:** Bone powders can be used in some biofuel production processes.
- **Food industry:** Small bone fragments can be used as additives in some processed food products.

Can a Bone Crushing Machine Process Cold or Frozen Bones?

Yes, the bone crushing machine has powerful motor and blade system, which can handle frozen and fresh bones. However, for the processing of frozen bones, preference should be given to models with higher motor power.

How Much Noise Does the Bone Crushing Machine Make During Operation?

The sound level of the machine depends on the engine power and blade system used. On average, a sound level of 70-80 dB can occur. It can be supported with soundproofed panels to minimize noise.

How Much Space Does a Bone Crusher Take?

Depending on the model and capacity of the machine, the area it occupies varies. Small-capacity models take up 5-10 m² of space, while large-scale industrial systems may need 50-100 m² of space.

What is the Difference Between Bone Crushing Machine Manual Feeding and Conveyor Feeding?

- **Manual feeding:** The user manually places the bones into the machine. It is suitable for small businesses.
- **Conveyor feeding:** Continuous bone feeding is provided by the conveyor system, ideal for large-scale production.

How to Provide Spare Parts and Service Support for Bone Crushing Machine?

Blades, motors and other spare parts for bone crusher machines are available quickly and reliably. In addition, maintenance and repair support is provided by the service team.