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## **THE 7272 SHEAR SHREDDER**



**The 7272 is a heavy-duty shear type shredder. The elements that are important for evaluation are the following:**

- **600 mm center to center distance**
- **Dual drive, 150Hp powered by two 75Hp Siemens electric motors.**
- **1800mm X 1500mm Opening**
- **Boneng Gearboxes**
- **SKF Bearings**
- **Shaft rotation speed: 6.49 RPM**
- **Blade thickness: 50mm**
- **Hydraulic Ram feed**
- **Hopper**
- **Stand**
- **Total weight: 27 000 Kg**

### **Specific details:**

**Materials: 2 types of steel are used in the fabrication of the shredder.**

**1- The frame, stand and hopper are made from ASTM A36 steel (also known as 1018 plate steel). These components are welded together, with the exception on the two housing halves. This allows maintenance crews to remove the complete shaft assemblies. You can see this feature in the following picture:**



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**2- The shafts, the blades and the spacers are made from ASTM 4140 HT quench and tempered steel for strength and durability.**

**Shaft: Hexagonal, 215mm flat to flat**

**Blades: 36 blades, 50mm thickness, 860mm diameter. 1 hook**

**Spacers: 36 spacers, 50mm thickness**





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## **Proper cleaning finger design:**

**Our shredders, unlike most machines on the market today, have the cleaning fingers configuration that is designed to have a shearing action on the upstroke.**

**These fingers have precision machined wear segments that act as a shearing edge on the upstroke of the blades. So our dual shaft machines function exactly like a quad shaft shredder. They cut on the down stroke and on the upstroke.**

**These shredders are however much easier to maintain than a quad. The cleaning finger edges can be removed without taking the whole shredder apart. You simply need to remove the side wall to be able to access the wear segments.**



**The cleaning fingers are attached to the side wall of the shredder**

## **Advantage:**

**When used without a screen, this design allows the spacers and the area between the blades to stay clean, allowing better shredding on a single pass.**

**When a screen is used, the dual shafted machine will act like a quad. Thus being able to produce a chip in a single machine.**





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## **The maintenance advantage:**

**With 45 years of experience building large machines, we know that having a machine that is easy to maintain is very important. We have to not only considered the time it takes to maintain a machine, but also the cost of not having an essential piece of equipment running.**

**All of our machines have a split housing and removable sidewalls. As stated earlier, the removable sidewalls allow easy cleaning finger maintenance. On the other hand, the split housing allows maintenance crews to remove the whole shaft assembly.**

**This is a particularly important feature on our large models such as the 5444 and the 7272. It is very important to be able get the entire shaft assembly out of the machine so that it may be maintained closed to ground and away from the main machine or system. A feature like this one not only makes the maintenance quicker and cheaper, but also much safer.**



**This machines side walls and upper chamber assembly have been removed. The shafts can now be pulled out**



**Replaceable blade segments for single man maintenance are an optional extra on machines with blades more than 75mm thick.**



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## **Gearboxes:**

**The gearboxes on the 7272 are a pair of Boneng model number: P2KB17-280-F250-B52-96**

- **input RPM: 1750**
- **Output RPM: 6.49**
- **Gearbox ratio: 269.55**
- **Output torque: 202 000 Nm**
- **Gearbox weight: 2 370 Kg**

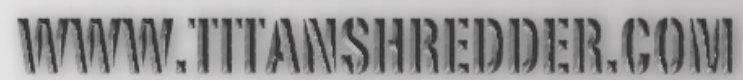
## **Motors:**

**The motors used on the 7272 are 2 Siemens motors with 55kW of power.**

## **Bearings:**

**The 7272 uses a total of 4 SKF brand bearings. The model numbers are: 23040cc/w33, 23044cc/w33**





**The 7272 is controlled by an electronic control panel that uses telemechanik components. It has an auto reversing function and a NEMA 4 enclosure.**







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**THE 7272 CAN SHRED UP TO 10 TONS PER HOUR OF TIRES AND 15 TONS PER HOUR OF STEEL. THE HIGHER TONNAGE WHEN SHREDDING STEEL IS EXPLAINED BY THE HIGHER DENSITY OF THAT PARTICULAR MATERIAL.**

**BEFORE**



**AFTER**





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## **Shredderhotline.com Company Inc Global Recycling Equipment**

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