

**(FAQ) FREQUENTLY ASKED QUESTIONS ABOUT LGI CROSSBELT MAGNETIC SEPARATORS****Who manufactures LGI crossbelt magnetic separators?**

Longji Magnet Co., Ltd. (Fushun, China) manufactures LGI magnetics. Longji is an ISO 9001, CE and CNACL manufacturer with over 34 design and innovation patents in China. The company has over 800 employees and thousands of customers worldwide. Longji has also supplied versions of its products to a major North American magnetic equipment manufacturer. Its magnets are in use throughout the US, Canada and Mexico.

**What steps are taken to ensure high quality?**

Crossbelt magnets are constructed at Longji's ISO9001 compliant manufacturing facility. The manufacturer electrically and functionally tests its products using documented procedures and specifications prior to shipment. After arrival in North America, the crossbelt magnets are again to verify performance.

**What types of technical support can I expect?**

Longji's capabilities include an advanced R&D center with a diverse engineering staff that includes industrial electricians, mechanical engineers, electrical engineers and applied physicists. This staff is available for custom product development, engineering and product support. General maintenance and troubleshooting support is provided by a local certified electrician who works with your local certified electrical staff or contractor. Although we do not perform installation, we can provide referrals to companies experienced in circular magnet installation.

**What if I have a problem with my LGI crossbelt magnetic separator?**

Many trouble-shooting issues can be resolved via telephone technical support. Also, all LGI crossbelt magnets are covered by the manufacturer's one year limited warranty as described in the LGI owner's manual. A large inventory of crossbelt magnets is maintained allowing replacement magnets to be shipped quickly if necessary. Some exclusions and limitations apply.

**Do you offer product trials or provide customer references?**

Many LGI magnetic products are available for a limited on-site trial (call for details). Numerous customer references are also available.

**What kind of material can be separated?**

Most types of ferrous metals in different shapes from 3 ½ oz to 77 lbs in weight can be separated depending on the model. Standard models are best used for removing ferrous metal on low speed belt conveyors. For details, please consult the owner's manual.

### **What is the best way to set up my crossbelt?**

The magnetic separator can be set up one of two ways: the crossbelt installation, in which the separator is mounted above the material conveyor line with the rotation of its discharge belt running at right angles to the material conveyor line; and the inline installation, in which the separator is mounted above the material conveyor line with the rotation of its discharge belt running parallel with the material conveyor line. Diagrams of each of these installation options, as well as instructions, are included in the owner's manual. The ideal method depends on the size of the work area and the specifications of the material being separated.

### **What kind of belting do you offer?**

We offer rubber and armor-cladded belts. Replacement belts for all sizes of LGI crossbelts can be purchased through our company.

### **What are the magnets made out of?**

Crossbelts are manufactured with either rare earth or ceramic magnets. Our standard crossbelt is equipped with rare earth magnets.

### **What power is required to run the magnet?**

LGI crossbelts do not use electromagnets; electrical power is required solely for the motor. The crossbelts can be run at 230V DC or 480V DC, 3-phase. Please consult the manual for further detail.

### **Can it be set to use under hydraulic power?**

Yes.

### **What type of maintenance is required?**

Please consult the owner's manual for detailed maintenance requirements.