The Schaffner Group is the international leader in development and production of solutions that improve efficient and reliable operation of electronic systems. The Group’s broad range of products and services includes EMC components, harmonic filters and magnetic components to enable, develop and implement solutions for customers. The Group is committed to offering efficient, reliable and sustainable solutions for customers. Schaffner continues to be a recognized global one-stop shop for a wide range of applications and market segments. Schaffner Group caters to the needs of various industries, from automotive and transportation to medical technology and telecommunications. Schaffner’s global network includes headquarters, research and development centers, sales and application centers in all major markets around the world.

The Schaffner Group is a major player in the global market for motor drive systems. It helps customers to increase motor life time, reduce energy consumption, and improve system reliability. Schaffner offers a wide range of products and solutions to address the challenges of modern drives, including filters, transformers, and other components. The Group is known for its advanced testing capabilities, which enable it to test every drive with various loads and cable lengths, switching frequencies and environmental conditions. Schaffner can help you to ensure EMC and harmonics compliance, operation and production improvements, and functional security and sustainability.

Frequency inverters, also called variable frequency drives (VFDs), are the heart of modern drive systems and are used in a wide variety of applications, such as pumps, air conditioning systems, elevators and cranes, conveyors, machine tools, and other electrical equipment. VFDs can cause problems with the electrical system, such as increased noise, harmonics, and energy regeneration. These problems can be solved by using Schaffner’s advanced products and solutions.

Problems associated with modern drives include:

- **Increase motor life time**
- **Reduce energy consumption**
- **Improve system reliability**
- **Sustain operations and maintenance**

These problems are caused by:

- **Harmonics**
- **Low efficiency**
- **Uncertain system immunity**

Schaffner offers a wide range of products and solutions to address these challenges, including filters, transformers, and other components. These products and solutions can be used in various applications, such as motor drives, power supplies, and electronic devices in sectors such as medical technology or telecommunications.

In most cases, several phenomena occur in the same system, a fact which underlines the importance of combining filter components to a total solution.

In order to reduce the overall suppression and mitigation effort and costs associated with the equipment, Schaffner offers the following cost-effective solutions:

- **Open frame filters**
- **Line reactors**
- **Three-phase filters**
- **Regen reactors and filters**
- **Three-phase + neutral line filters**
- **Transformers**
- **PCB filters**
- **Sine wave filters**

Schaffner can help you to ensure EMC and harmonics compliance, operation and production improvements, and functional security and sustainability. Schaffner operates a full test setup for motor drives. The Schaffner Group offers unique test capabilities, which enable it to test every drive with various loads and cable lengths, switching frequencies and environmental conditions. Schaffner can help you to ensure operational and production improvements, system reliability and efficiency. Schaffner can help you to ensure that your motor drives are operated within their nominal performance parameters and that they do not cause any adverse effects on other power electronics devices.

Schaffner Group is a leader in the global market for motor drive systems. It offers a wide range of products and solutions to address the challenges of modern drives, including filters, transformers, and other components. Schaffner can help you to ensure EMC and harmonics compliance, operation and production improvements, and functional security and sustainability. Schaffner has a global network of headquarters, research and development centers, sales and application centers in all major markets around the world.