

Member Profile

Member Profile: Elna Magnetics

Year founded: 1955

Location: Saugerties, NY

Number of Employees: 52

Principle Product: Distribution and custom machining of a complete line of ferrite and other magnetic core products.

Website: www.elnamagnetics.com

Elna Magnetics began back in 1955, when Elwood Shreeder, an employee at the Ferroxcube plant in Saugerties, NY, decided he could start his own company that would manufacture custom made ferrite cores. He named the company Elna, a combination of his first name, Elwood, and his wife's, Nancy. This company has grown a great deal in the last fifty three years. In fact they are breaking ground on a new facility in Saugerties, NY.

Elna is a distributor and a custom manufacturer of ferrite and magnetic products used for electromagnetic interference (EMI) suppression, power supplies and transformers. EMI is an electrical disturbance in a system from low frequency waves given off by electromechanical devices or high frequency waves from electronic devices. This disturbance can cause sensitive electronic equipment to malfunction, perform improperly or poorly. Ferrites are used to control the magnetic field and convert it so that it dissipates as heat. Ferrites and other materials such as powdered iron and amorphous alloys are used in power supplies and transformers in various electronic and electrical devices to control the distribution of electricity. A relatively new and rapidly growing application for these products is alternative energy.

Ferrite is a ceramic material with electromagnetic properties. It comes in two varieties, soft and hard, which refer to its magnetic characteristics. The soft variety doesn't retain significant magnetization, but hard ferrite has magnetization that is considered permanent. Soft ferrite is used for the EMI suppression products such as ferrite cores.



A ferrite core is a hollow bead or cylinder made from ferrite that can be attached to electrical cable to absorb

the electromagnetic field that occurs as electricity passes through the wires. This in turn suppresses the EMI. The ferrite is encased in plastic near the plug end of the cable. This is just one simple example of a ferrite product.

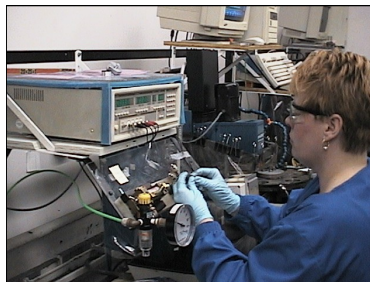
Elna Magnetics is not only an authorized distributor of a wide array of ferrite products from companies such as Fair-Rite Products, Ferroxcube, Metglas Inc., EPCOS ferrite, MH&W and MMG, but they also custom manufacture products themselves. Elna has four state-of-the-art computer machining centers (CNCs) that are capable of producing one piece prototypes or producing millions of a particular part, whichever fits the needs of their customer. Elna's machining and manufacturing center is made up of three separate groups: custom machining, assembly, and gapping. They use the latest

machining technology and computer operated CNC machines to produce ferrite for customers from the aerospace industry, the military, and even the medical field.

Elna has grown so much since 1955 that they have outgrown their current 18,000 square foot facility and will move into their new 32,000 square foot building in September of 2009. The move

will potentially increase their workforce by fifty percent, as well as increase the space available for warehousing the numerous products that they distribute and allow expansion of their manufacturing operation by providing additional space for new equipment.

Elna Magnetics has been successful because they offer so much to their customers. They carry a large selection of products, provide custom machining and manufacturing of ferrite and other magnetic products, and have great customer service and support to assist with the process. These are the services that draw customers to Elna like steel to a magnet.



Pat, an Elna Magnetics employee, using the testing machine.