Knowles Capacitors is the result of the merging of some of the world’s leading speciality capacitor manufacturers. With a combined history exceeding 175 years, Dielectric Laboratories (DLI), Novacap, Syfer and Voltronics have come together in a single organisation, with one team of great people sharing a common vision.

Our goal is to become a leader in every market we serve for the benefit of our customers and our mutual long term success. We are committed to achieving this by:

- Understanding our customers’ real needs and providing products and services to meet and exceed them
- Providing better products and services than our competitors
- Investing in product development, manufacturing processes and people
- Meeting or exceeding all applicable ethical standards and business culture (loyal, respect and open communication)
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Knowles Capacitors is now a premier global source for

- Medical equipment
- Medical equipment
- Military systems
- Satellite communications & space
- Radar

Radio communications
Telecom infrastructure
Implantable medical devices
Aerospace
Oil exploration
Satellite communications & space
Radar
Military systems
Medical equipment
Telecom infrastructure
Implantable medical devices
Aerospace
Oil exploration
Telecom infrastructure
Radar
Hi-Rel products

The Knowles Hi-Rel product group offers a wide range of high quality surface mount and leaded products, specifically designed for applications requiring high reliability. Our products are known for their superior performance and reliability in harsh environments, and they are backed by extensive testing and certification. The Knowles Hi-Rel product group includes a variety of capacitor types, such as TCC/VCC capacitors, high Q capacitors, and Tandem capacitors. Our products are available in a wide range of sizes and values, making them suitable for a variety of applications. They are manufactured in accordance with stringent quality control standards, ensuring consistent performance and reliability. Whether you require a small, discrete component or a large, complex assembly, the Knowles Hi-Rel product group has the solution for you.

Thin Film Technology

Knowles is a world leader in the supply of precision, ultra stable, thin film high-Q components, and military and high reliability products. We offer a complete line of thin film precision passive components, including thin film capacitors, high Q capacitors, and trimmer capacitors. Our products are designed to meet the highest standards of performance and reliability, and they are used in a wide range of applications, from military and aerospace to telecommunications and medical devices. We offer a wide range of thin film components, including air, glass, sapphire, and PTFE dielectrics, and we can tailor our products to meet your specific needs. Whether you require single or multiple layer components, or a wide range of values, frequencies, and voltages, the Knowles thin film product group has the solution for you.

Integrated Passive Devices

Knowles is also a world leader in the supply of precision, ultra stable, high-Q components, and military and high reliability products. We offer a complete line of passive components, including thin film capacitors, high Q capacitors, and trimmer capacitors. Our products are designed to meet the highest standards of performance and reliability, and they are used in a wide range of applications, from military and aerospace to telecommunications and medical devices. We offer a wide range of passive components, including air, glass, sapphire, and PTFE dielectrics, and we can tailor our products to meet your specific needs. Whether you require single or multiple layer components, or a wide range of values, frequencies, and voltages, the Knowles integrated passive device product group has the solution for you.

Magnetic Components

Knowles is also a world leader in the supply of precision, ultra stable, magnetic components, and military and high reliability products. We offer a complete line of magnetic components, including trimmer capacitors, high Q capacitors, and trimmer capacitors. Our products are designed to meet the highest standards of performance and reliability, and they are used in a wide range of applications, from military and aerospace to telecommunications and medical devices. We offer a wide range of magnetic components, including air, glass, sapphire, and PTFE dielectrics, and we can tailor our products to meet your specific needs. Whether you require single or multiple layer components, or a wide range of values, frequencies, and voltages, the Knowles magnetic component product group has the solution for you.

EMI Filter Products

Knowles is also a world leader in the supply of precision, ultra stable, EMI filter products, and military and high reliability products. We offer a complete line of EMI filters, including thin film capacitors, high Q capacitors, and trimmer capacitors. Our products are designed to meet the highest standards of performance and reliability, and they are used in a wide range of applications, from military and aerospace to telecommunications and medical devices. We offer a wide range of EMI filters, including air, glass, sapphire, and PTFE dielectrics, and we can tailor our products to meet your specific needs. Whether you require single or multiple layer components, or a wide range of values, frequencies, and voltages, the Knowles EMI filter product group has the solution for you.

Single Layer Capacitors

We are one of the world’s largest suppliers of Hi-Q single layer capacitors. We offer a wide range of high-Q capacitors, including air, glass, sapphire, and PTFE dielectrics, and we can tailor our products to meet your specific needs. Whether you require single or multiple layer components, or a wide range of values, frequencies, and voltages, the Knowles single layer capacitor product group has the solution for you.

MLC Products

The Knowles MLC product group focuses on the supply of precision, ultra stable, high-Q components, and military and high reliability products. We offer a complete line of MLC products, including air, glass, sapphire, and PTFE dielectrics, and we can tailor our products to meet your specific needs. Whether you require single or multiple layer components, or a wide range of values, frequencies, and voltages, the Knowles MLC product group has the solution for you.

Specialty Products

Knowles is also a world leader in the supply of precision, ultra stable, specialty products, and military and high reliability products. We offer a complete line of specialty products, including air, glass, sapphire, and PTFE dielectrics, and we can tailor our products to meet your specific needs. Whether you require single or multiple layer components, or a wide range of values, frequencies, and voltages, the Knowles specialty product group has the solution for you.

Termination Options

Termination options include the world famous FlexiCap™, half-turn, and precision multi-turn terminations. We supply termination in high energy, high CV, high Q and also leaded and stacked chips. Our components are often used in safety critical applications and are backed-up by product certifications including IECQ-CECC, UL, TÜV and AEC-Q200. Solutions are often customers specific, offering recognized and patented terminations, where necessary to support growing performance and reliability requirements. While this product knowledge, combined with extensive design options and ability to help customers meet special requirements, is a powerful tool, our full range of products is available providing the benefits of related common data links, high reliability, and customer service.

Hermetic Termination

Knowles is one of the world’s largest suppliers of precision, ultra stable, hermetic terminations, and military and high reliability products. We offer a complete line of hermetic terminations, including air, glass, sapphire, and PTFE dielectrics, and we can tailor our products to meet your specific needs. Whether you require single or multiple layer components, or a wide range of values, frequencies, and voltages, the Knowles hermetic termination product group has the solution for you.

Heat Sinks

Additionally, we provide custom specific heat sinks, used for mounting and for meeting temperature requirements. We can supply customer specific cases and our unique design capabilities allow us to optimize our products for any environment. Additionally, we provide a complete suite of precision, ultra stable, high-Q components, and military and high reliability products. We offer a complete line of components, including air, glass, sapphire, and PTFE dielectrics, and we can tailor our products to meet your specific needs. Whether you require single or multiple layer components, or a wide range of values, frequencies, and voltages, the Knowles heat sink product group has the solution for you.