

ADVANEX PERFECTION

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Engineering

Our Approach

Advanex have dedicateds team of Design and Development Engineers with years of experience.

We have always pursued partnership with our customers to provide the optimum spring design solution for the customers needs.

By being included in the spring design concept decisions at the earliest stages in a project enables us to give you the best design solution available to meet both effective functionality and the lowest design cost.

- Quicker Product Lead-time to market
- Rapid Sample Prototyping
- Modern Manufacturing Techniques
- Internal Tooling Manufacture
- Technical Design Department
- Product Engineering Assistance
- Design & Development Assistance
- Continuous Value Engineering

The development of that spring design concept can come from around the table discussions against mechanism priorities to the provision of fittings or simply a drawing with space envelope.

Providing us with details of all the constraints, volumetric, environmental, functional and life expectancy will enable us to make the right decisions and recommendations.

We utilise a number of different CAD packages to support this decision process but more important are the skills and experience of our spring design teams to co-ordinate the link to production methodology.



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Wire Forms and Shapes

Our Approach

Wire shapes can be used to provide a spring function, or they can be used as rigid members to provide location for mating parts. There is an infinite variety of shapes, and our design team can help determine the optimum shape and size to achieve your needs.

Wire Forms have many uses and possess an equally large array of shapes and sizes. They can be anything from a load supporting link with negligible deflection to a tension applying component where a static load is necessary for proper function of an assembly.

Advonex have experience and knowledge of wire forming materials as diverse as stainless steel, precoated material, spring steel, titanium, nitronic, phosphor bronze and pre hardened materials.

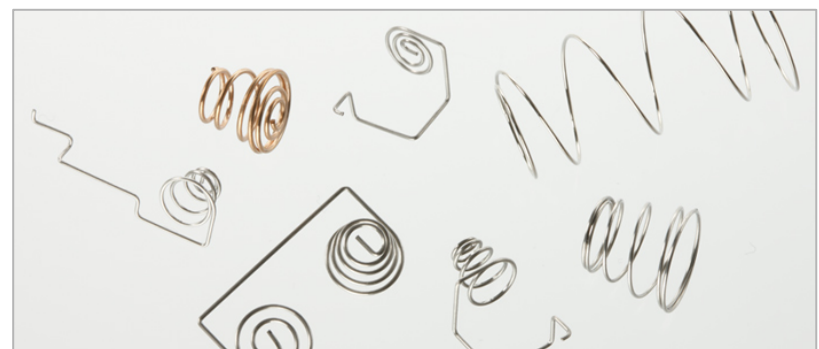
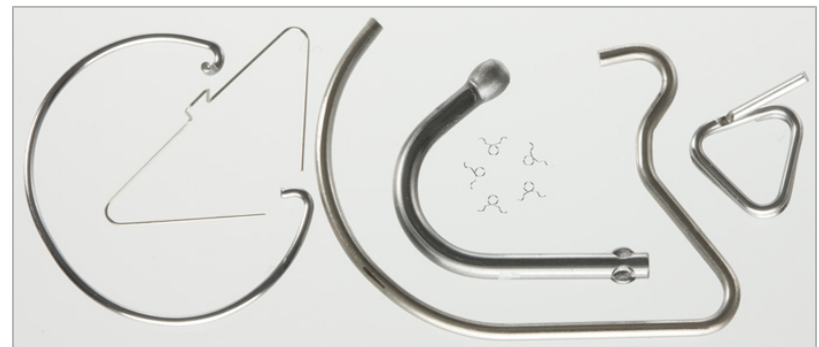
Our engineering and design team can support our customers with the design and development of the optimum product and production solution for their application

Other applications might include Wire Forms as electrical conductors, spring clips, or spring clamps. In some cases, depending on dimensional constraints and other factors, they may be able to replace conventional springs and help eliminate the need for other components, therefore, reducing the associated costs.

Our range is currently used in applications as varied as cameras, automotive components, medical devices, consumer electronics and aerospace even through to the simplest application such as a birdfeeder.

Advonex has long experience of design and development of complex tooling for wire shape manufacture. We have the ability to produce small quantities by hand, and a wide range of manufacturing equipment suitable for medium and high volume work.

Our extensive development of Micro Engineering means the Advonex Group can produce wire forms in wire diameters as small as 15 microns, and we would be pleased to hear of your interest in these high-technology components.



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