

# VALUE ADDED SERVICES



## COATING

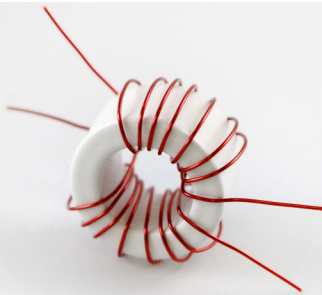
Parylene and Thermo-Set Plastic coating can be added to most parts. On MnZn cores this coating serves as an insulator to prevent short circuit conditions and stray currents. Coating NiZn cores helps prevent abrasion of the insulation on wires as well as adding some level of impact protection. Parylene C is used for smaller parts while a thicker epoxy coating is used for larger ones.

## SORTING

Despite tight quality control on standard parts, some applications need that extra peace-of-mind. Custom equipment is utilized for high volume automated sorting for both dimensional/visual specifications as well as electrical characteristics.

## COMPONENT MARKING

Laser and paint marking is available upon request.



## WINDING

Prototyping and high volume production state-side and overseas. Rods, toroids, multi-aperture cores, and custom ferrite configurations with thick and fine gauge wire.

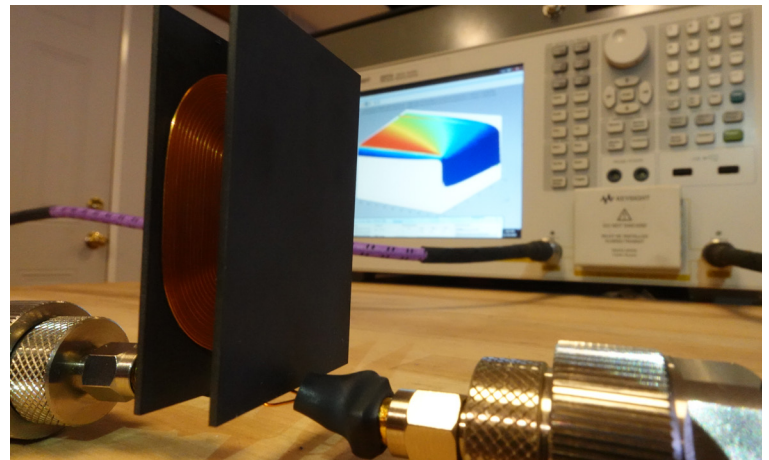
## ASSEMBLY

Component-level assembly including mounting, gluing, taping, and sub-assemblies of ferrite cores.

## TESTING

### APPLICATION SPECIFIC ELECTRICAL TESTING

Most relevant electrical characteristics can be accurately identified using our state-of-the-art test equipment. By working with you and your application, the test parameters (environmental, circuit conditions, etc.) can be tailored to ensure testing accurately reflects real-world performance.



### STRENGTH TESTING

Using cutting-edge force metrology equipment with accuracies down to 0.1N, capacities up to 2500N (tension and compression), and the ability to perform complex multi-stage and repetitive stress testing cycles, Fair-Rite is able to test your parts and packaging to ensure strength will not be an issue in your final application.

### PRECISION MEASURING TO 0.0005 MM

Use of our state-of-the-art measurement equipment allows us to quickly measure large parts (up to 200mm x 200mm x 150mm) with resolution down to 0.5um (micro meter). Optical and coordinate measuring systems allow for measurement of complex geometries utilizing GD&T controlled features in an accurate and repeatable manner.

### XRF (MATERIAL COMPOSITION)

Precise control of ferrite compositions can also be used to detect minute quantities of impurities in materials. The XRF method is widely used to measure the elemental composition of materials. Wide scan measurement allows for effective cross referencing of unknown samples.