
Coil Manufacture

Quartzcoil Ltd is today recognised as the UK's largest supplier of electrical windings for a wide range of AC/DC applications, with an enviable reputation in supplying both service and manufacturing industries with an infinite variety of LV and HV coils.

Part of the Quartzelec Group of Companies, Quartzcoil produce windings to the highest of standards, using industry standard and robust manufacturing processes and materials.

The insulation systems, manufacturing processes and testing procedures have been instrumental in setting industry standards. Combining this element with accreditation to ISO 9001 ensures that quality is an intrinsic feature of the product.

Working with equipment designed to operate under extreme conditions e.g. military and nuclear applications, has afforded Quartzcoil a wealth of experience, knowledge and an extensive skills base offering innovative solutions to all winding problems.

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Supporting Industry

Our Range

Quartzcoil offer excellence in the design and manufacture of copper windings and coils for motors and generators, supporting OEM's, end-users or repair and service organisations with:

- Diamond Coils
- DC Armature and Field Coils
- Strip on Edge Field Coils
- Rotor and Stator Bars
- Coil Winding Kits

The Specification

Quartzcoil is proud to be one of the first coil manufacturing operations to be working to the new ISO9001:2008 standards. Our products can accommodate:

- Resin Rich or VPI Insulation Systems (from 200V DC to 22kV AC)
- Class F and H Temperature Rise
- Designs available to withstand NEMA wet test

Testing

Quartzcoil provides additional peace of mind ensuring all coils are manufactured to the very latest international standards, also meeting customers specific requirements.

- Impulse interturn: testing to EN 60034-15:1996
- Tan Delta: testing to BS EN 50209:1999
- Partial Discharge: testing to BS EN 60270:2001
- Thermal cycle: testing to IEEE 1310-1996
- Voltage Endurance: testing to IEEE 1553-2002 / IEEE 1043-1996

Industry Applications

- Power Generation
- Nuclear
- Petrochemical
- Offshore Oil & Gas
- Metals & Mining

Our Client Base

- E.On
- Cegelec
- ALSTOM
- Convertteam
- Babcock Integrated Technology

