



From Design to Manufacture

ERIKS Coils

know-how makes the difference

ERIKS

EXPERIENCE INNOVATION EFFICIENCY

TYPICAL COIL TYPES

**Typical types of coil made by our
Specialist Coil Manufacturing
Facility**

- A.C. formed coils up to 440 Volts
- A.C. formed coils up to 3,300 Volts
- A.C. formed coils up to 6,600 Volts
- A.C. formed coils up to 11,000 Volts
- A.C. formed coils up to 13,800 Volts
- Diamond Coils
- Hairpin Coils
- Concentric Coils
- Bar Wound Rotor and Stator "Half Coils"
- Traction coils
- D.C. Amature coils
- Quickway Wound Coils
- Equaliser coils
- D.C. Field coils
- D.C. Interpole coils
- Compensating coils
- Salient Pole rotor coils



ERIKS COIL MANUFACTURING

QUALITY & SERVICE THERE FOR YOU

Wherever you are in the world, ERIKS coil manufacturing service is right by your side - ready to respond with coils to your specification, complete winding kits and professional experience to provide technical assistance and guidance throughout your rewind programme or entire machine refurbishment.

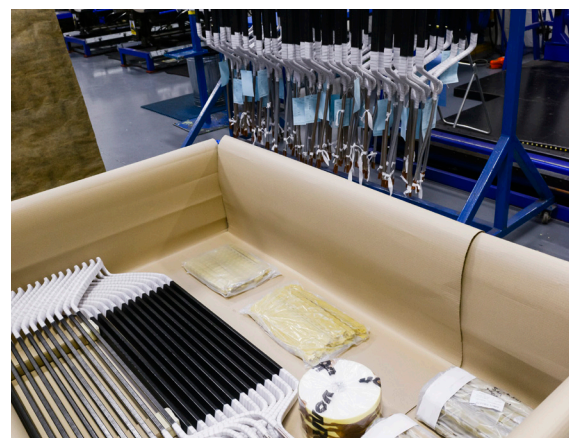
ERIKS have over 50 years experience in manufacturing coils for rotating machines

ERIKS can supply complete sets of coils, winding kits or a small number of coils or section of a coil for a winding repair in emergency situations.

ERIKS have also developed dependable insulation systems to make coil storage without deterioration a viable alternative to emergency repairs without the problems of extended machine shut down. Holding spare coils, or kits, in stock gives obvious advantages and ERIKS offer advice on the most cost effective inventories to suit your particular needs.

ERIKS Coil manufacturing service couldn't be easier to use. Because of our knowledge and wide experience we are able to tailor make precisely the right coil using correct materials and manufacturing methods directly from information supplied by the customer on an easy to use, logical step by step information recording form and / or customer coil samples.

ERIKS technical advice is readily available to help and assist you, whether it be for a repair, complete rewind or a machine inspection or refurbishment we will be happy to give you helpful friendly and above all professional advice.





- Dedicated High Voltage Coil Manufacturing area
- High Voltage Coil Test Bay
- Specifications designed by experienced rotating machine engineers
- Manufacturing strictly controlled to ISO 9001:2008 quality control standards
- We only use quality copper conductor and insulation materials from our approved supplier partners made to BS EN / ISO Standards and quality control procedures
- Wide range of insulation systems, materials and impregnates including resin rich and VPI
- Coils Manufactured to ERIKS own insulation systems or customer specified insulation systems
- Coils checked on purpose built shaping jigs to ensure accurate shape and fitting to minimise winding time
- Coils for all applications including hazardous environmental conditions
- Securely packaged for delivery almost anywhere in the world
- Emphasis on fast, quality service and competitive price
- 24 hour service
- Back up support world wide

APPROVED & TRUSTED

ERIKS manufacture coils for machines used in a wide range of industry sectors including:

- Power Generation including Nuclear
- Traction
- Steel
- Oil and Gas including off shore
- Chemical
- Mining
- Defence
- General Industries
- Supplied to the Rewind/Repair Industry and Machine OEM's

QUALITY MANAGEMENT SYSTEMS

ERIKS operates a Quality Management Systems approved by Lloyds Register Quality Assurance to ISO-9001:2008 Quality Management System Standards.

ERIKS also work to the following standards where applicable as well as customers own standards:

ESI 44-5

Testing the insulation systems of stator coils for rotating electrical machines

ESI 44-7

Testing the insulation systems of Bars (Half Coils) for rotating electrical machines

BS EN 5029: 1999/ ISO 60034-15

Tests of Bars and Coils

ISO 60034-1

Rating & Performance – Dielectric Tests

IEC 60079-19

IECEx standard for hazardous area motor repairs



OUR SERVICES AND FACILITIES

- Dedicated Coil Manufacturing Facility
- Machine Testing in our Work Shop and on Customers Site :-
 - Tan Delta Testing
 - Partial Discharge Testing
 - IR & PI Testing
 - Surge & Hi Pot Testing
- Vibration analysis and Thermography
- Laser Alignment
- Dynamic Balancing up to 15Ton Capacity
- Manufacture and Repair of Commutators and Slip Rings by ERIKS Specialists
“Lambeth Commutators” facility
- Epoxy Vacuum Pressure Impregnation VPI - Class H Epoxy - Solvent Free
- Controlled Temperature Burn Out Oven with water injection
- On site In-situ Inspection service
- Repair Workshop with 30 Ton Overhead Crane
- AC Machine LV and HV Repairs, Rewinds and sales
- DC Machine Repairs, Rewinds and sales
- Traction Generator Repair Specialists
- Traction Motor and Traction Auxiliary Motors, Fans, Blowers Overhauls and Repairs
- BASEEFA audited and Certificated to IECEx standard for the overhaul and repair of equipment used in hazardous atmospheres - protection types d, e and n. Ex motors

ERIKS COIL Manufacturing

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