



## Edgewound Coils

- New continuous-wound coils
- Repair coils, turns and leads
- Re-insulate existing coils
- Almost every application
- New Omega-/puzzle-fit coils
- Asbestos abatement
- Unmatched uniformity
- Lengths up to 25 feet plus
- Weights up to 3000 lbs. plus
- Connectors, rings, terminals, jumpers

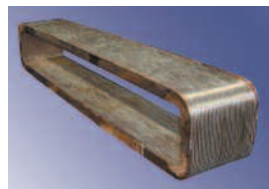
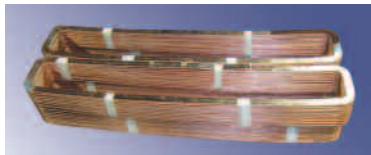


Swiger Coil Systems LLC manufactures, repairs and re-insulates edgewound/edge-bent coils for hydros, wind turbines, DC motors and generators. Our 900-ton press is the heart of our operation, allowing us to maintain continuous pressure during turn insulation curing and produce insulated

edgewound coils of unmatched uniformity. The ISO 9001:2000 process insures consistent quality throughout the process.

### Edgewound Coil Manufacturing Capabilities

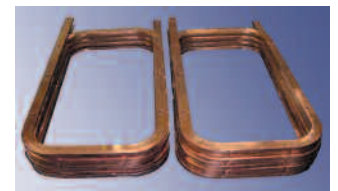
- OEM manufacturer of new edgewound coils from all new copper with custom tooling designed for each order.
- Edgewound coils weighing from a few pounds to several thousand pounds.
- New coils wound with widths in excess of 4 inches, thickness from 0.032 to several inches formed on edge.
- Rotating fields from 10 inches to 25 feet and beyond for large, synchronous motors and generators.



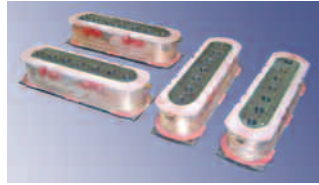
- Turbine coils wound with silver bearing or oxygen-free copper.
- Main edgewound series coils and interpoles for DC motors and generators.
- Traction field coils for OEMs and repair shops for the transit industry.
- Interpole and series coils for traction motors.
- Blowout coils, reactor coils and induction coils.
- ISO 9001:2000-Certified Coil Process Documents



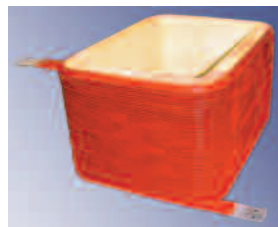
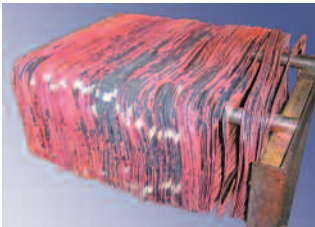
- Every coil has a process document that travels with the coil through each manufacturing operation (records are kept on file)
- Signatures are required for each step of the process
- Dimensional checks are conducted throughout the production process
- QC stop/check points during the entire manufacturing process
- VPI - Vacuum Pressure Impregnation
  - VPI Dip
  - VPI - Polyester
  - VPI - Co-Polymer
  - VPI - Silicone



## Edgewound Coil Repair/Reinsulation Capabilities



Swiger Coil Systems is the premier facility in North America for the remanufacturing, repairing and reinsulating of Edgewound Coils. Our ISO 9001:2000 process insures consistent quality throughout the process.



- Quickly and economically transform damaged edgewound coils into reliable coils.

- Reinsulate and repair existing edgewound coils.

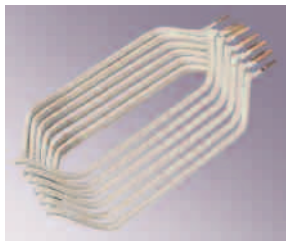
- Reinsulated edgewound coil and pole assemblies shipped ready-to-install



- Asbestos removal and abatement is available with full regulatory compliance for all remanufactured edgewound coils. Cradle-to-grave documentation is available.
- Coil and pole assembly can be reinsulated as a unit. Following disassembly, cleaning of the pole assembly, reinsulate the coil and return the unit to you ready to install.
- Rapid turn-around/rush service available on repair and reinsulation in days not weeks
- Repair damaged turns (copper inventory on-hand)
- Splice in new turns if needed
- Lead replacements
- Universal and drop leads available
- New top and bottom collars standard on all jobs
- Standard turn insulation Nomex B-Stage
- Final inspection includes mechanical and electrical inspection of all coils including a coil to coil surge test comparison, ground test
- In many cases mock pole pieces are created to ensure proper fit.
- Custom shipping boxes are fabricated to ensure safe transport
- Overnight air delivery available



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Armature Coils



Field Coils



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