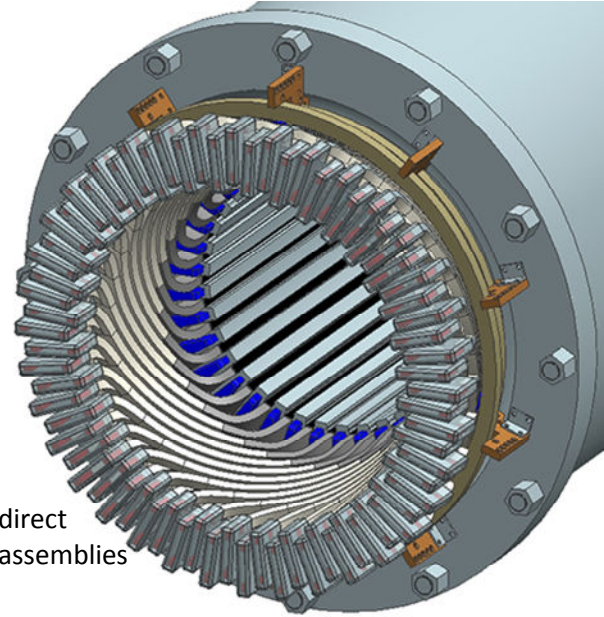

HV COIL

303 Oxford Street, Dover Ohio 44622 – USA

(P) 330-556-4395 (F) 330-863-8892

info@highvoltagecoil.com

HV Coil LLC specializes in the manufacture of premium high voltage coils for indirect cooled turbo and hydro generator windings. Partial or complete rewind kits / assemblies can be tailored specifically to meet each customer's individual needs.



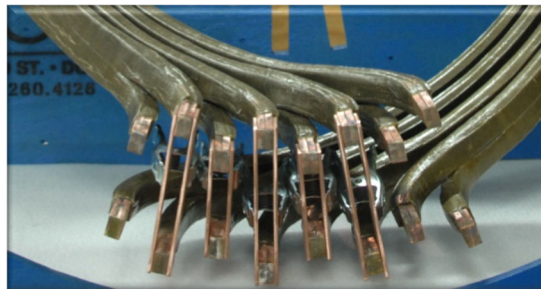
Engineering Expertise

HV Coil Employees have over 125 years of combined experience specific to coil engineering and manufacturing. Each winding assembly is designed and manufactured to maximize output while reducing losses, operating temperature, partial discharge and end winding vibration.



Proven Insulation System

- ✓ Industry Proven Class F Press Cured System Rated for Line Voltages up to 24KV
- ✓ 100% Tape Based System - Provides Superior Consistency and Layer Adhesion.
- ✓ Stringent Tolerance Band - Enhances Uprate Capability & Seamless Assembly.
- ✓ 100% Shop Order IEEE 286 Final QC Testing
- ✓ Thermal Stability – Exceeds IEEE 1310
- ✓ Lifecycle Endurance – Exceeds IEEE 1553



Engineering & Manufacturing Capability

- Engineering Design of Optimized Coil Geometry and Operating Capability for Virtually Any OEM Unit (Alstom, BBC, Brush, GE, Siemens, Westinghouse etc...)
 - Loss Reductions Utilizing Upgraded Core Section Roebel Transpositions
 - Series Loop Conversion from Stranded to Solidified Leads with Caps and Blocking Where Applicable
 - Optimized End winding Geometry to Prevent Surface Discharge / Partial Discharge
- Specification and Kitting of Stator Rewind Assemblies
 - (LSL and SSL items – Wedges/Felts/End Winding Support System)
- Manufacture of New Connection Rings and Bus Bars or Re-Insulation of Existing Components
- Expedited / Emergency Delivery Cycles

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