

BRANDON & CLARK, INC.

DRY TYPE TRANSFORMER



SUPERIOR PROCESS

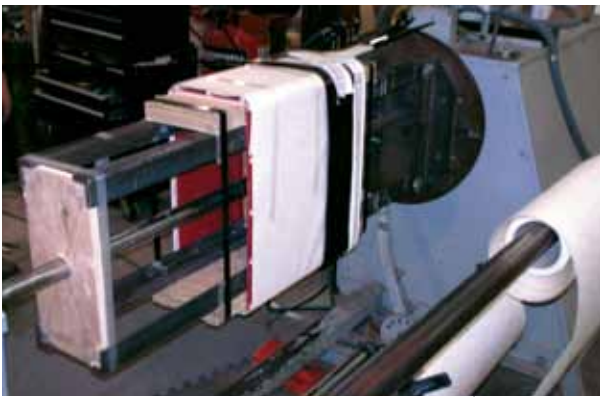
All dry type transformer repairs are produced with class H high temperature materials and have varnish applied to the coils through a vacuum pressure impregnation process "VPI" providing a superior insulation system. The VPI process reduces microscopic air bubbles in the varnish coating which is responsible for damaging corona discharge which can significantly degrade the life of a transformer.

REDESIGN

With over 50 years of combined engineering experience, Brandon & Clark's engineering staff is capable of performing redesigns of dry type transformers. Redesign capabilities include changing primary and secondary voltages, KVA, k-factor rating and converting designs to copper conductor material.

CAPABILITIES AT A GLANCE

- Repair, Recondition, and Conversions to Meet Your Specifications
- Premium Materials Used: Nomex & Glastic Fiberglass Insulation and Copper Windings
- All Units Are "VPI"
- IEEE & ANSI Design & Testing
- 24 Hour On-Call Field Service Staff K-Factor Designs
- Custom Manufacturing
- Failure Analysis
- Expedited Delivery Options
- Clean, Climate Controlled Winding Facility
- "Will Fit Advantage"
- Servicing Dry Type Transformers Up to 5,000 KVA and Up to 13.8 kV
- Custom Dry Type Transformer Spare Manufacturing



takes to manufacture a new unit. Brandon & Clark's environmentally friendly repair procedures save you money because you don't have to purchase new core steel or cabinetry to upgrade or repair your existing dry type transformer. One more way that repairing your dry type transformer helps you save money, is that when you repair you have the assurance

REPAIR MAKES CENTS

Repair makes sense for your budget, your project time-line and your environment. When Brandon & Clark repairs a dry type transformer, materials such as core steel and cabinetry are reused and the old copper and insulation paper are recycled, which reduces your company's carbon footprint. The use of such procedures saves you time because you don't have to wait for a newly manufactured unit to be built, repair turnaround times are typically much shorter than the time it

that when the unit is installed, it will fit into its previous housing dimensions, this assurance saves you costly time and modification efforts.

COPPER WINDINGS

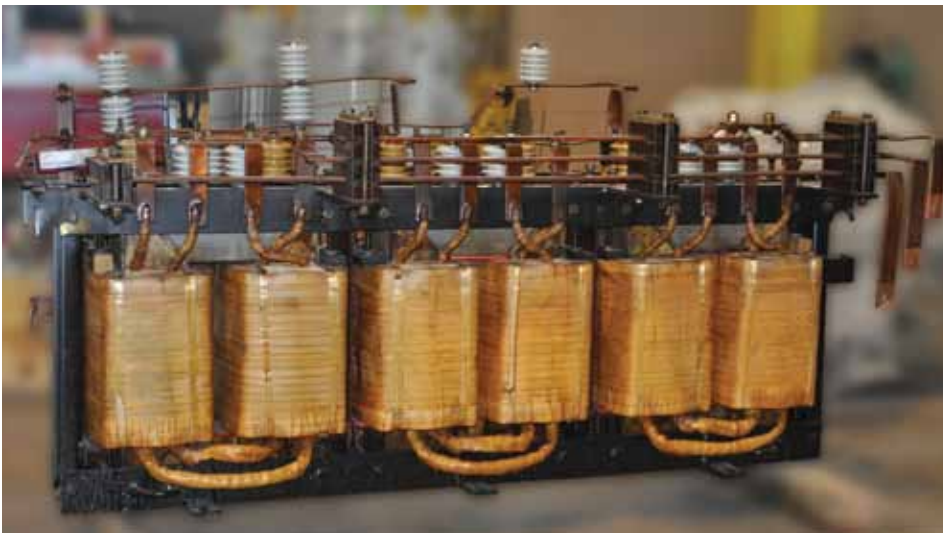
All Brandon & Clark dry type transformer windings are produced using copper conductor and nomex insulation. Our materials selection philosophy is: use the highest quality materials in the repair or redesign of equipment. This philosophy

enables us to help customers avoid unnecessary losses and maximize the life of their equipment.

Brandon & Clark also has experienced on staff engineers that are capable of converting your dry type transformer from aluminum windings to copper windings. Copper windings offer advantages in transformer losses and mechanical strength which is particularly important for industrial applications where large motor starting loads are present.

GREEN INITIATIVE

In keeping with our green initiative, Brandon & Clark recycles all unusable material associated with repairs as a good steward of the environment, recycling copper and insulation paper from windings, as well as iron and core steel. This reduction in material use is also beneficial to the environment and lessens the pressure on raw material mining.



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"KEEPING INDUSTRY HUMMING SINCE 1950."

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