



VIRGINIA - GEORGIA TRANSFORMER
ONE SOURCE—ONE COMMITMENT

DRIVES & RECTIFIER TRANSFORMERS

Durable Drive Isolation and Rectifier Duty Units for Every Application

With more than 50 years of engineering and manufacturing expertise, Virginia Transformer Corporation is the leader in producing reliable, high-quality drive isolation and rectifier duty transformers with a 60-year lifespan.

From steel mills and mining projects to rapid transit and co-generation facilities, our units are custom designed for every application and engineered to withstand even the harshest environments. To meet the diverse needs of our customers, Virginia Transformer proudly offers:

- **Engineering Excellence**

Our drive isolation and rectifier duty transformers are precision-engineered and built to the highest industry standards. Comprehensive testing and rigorous quality control measures result in an overall defect rate of less than one percent.

- **Customized Solutions**

Backed by a team of more than 600 skilled engineers, we deliver custom transformers built to the individual requirements of each customer for unparalleled reliability and efficiency. Our units are expertly designed with a 60-year lifespan to withstand the harshest environments.

- **Six Manufacturing Facilities Across North America**

Our strategically located manufacturing facilities across the United States and Mexico ensure swift delivery and unit installation. In addition, we are 100-% compliant with the Buy American Act. We audit, validate, and verify all materials used to guarantee compliance with all federal and industry standards.

- **Financially Secure and Stable**

Our robust financial stability, lack of short-and long-term debts, and 15% CAGR since 1982 ensure project commitments are upheld at every step. With a strong focus on maintaining a resilient supply chain, we minimize disruptions and shortages to provide unparalleled service to our customers.

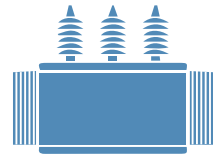
- **Superior Reliability and Service**

With the shortest lead times in the industry and superior customer service, we are the trusted supplier of drive isolation and rectifier duty transformers for every application. From the initial inquiry to final installation, we maintain close contact with each customer throughout the sales and manufacturing process. We proudly offer field commissioning and lifelong after-installation services to guarantee the longevity and performance of our units.

FROM STEEL MILLS AND MINING PROJECTS TO RAPID
TRANSIT AND COGENERATION FACILITIES, OUR UNITS ARE
CUSTOM DESIGNED FOR EVERY APPLICATION



WHAT WE OFFER



A Range of Features and Benefits

Virginia Transformer takes pride in providing our customers with the perfect transformer customized to their exact specifications. Our drive isolation and rectifier duty units are available in dry-type, liquid-filled, and our proprietary UNIClad construction.

Each unit features:

- Increased thermal margin for longer life
- Magnetically balanced winding designs
- Surge shields to evenly distribute voltage surges
- Superior core construction to handle high heat
- Lower insulation stresses to better withstand surges
- Multiple vacuum pressure impregnation for corona-free operation and increased strength
- Higher BIL ratings to handle switching surges in pulse-width modulation
- Lower current density for high radial short circuit strength

PRODUCT RANGE

Up to 400 MVA 525 kV

BIL 1675 kV

LTC / DETC

Medium Power Transformers

Large Power Transformers

GSU Transformers

Auto-Transformers

Padmount Transformers

Traction Transformers

Rectifier Transformers

Additional Special Application Transformers

- Three Phase Voltage Regulators
- Single Phase Transformers
- Zig-Zag Grounding Transformers
- Scott-Tee Connected (converts 3 phase to 2 phase)
- Load Tap Changing
- Auto-transformers
- Multi-Winding Secondary/Drive Duty/Rectifier
- Large Specialty Padmounts
- Drive Isolation Transformers (18/24/36 pulse available)
- Variable Speed Drive Transformers
- Up to 20,000 Horsepower for AC and DC Motors



About Us

Virginia Transformer Corporation is the largest U.S.-owned power transformer manufacturer in North America, producing custom-engineered power transformers for every application with the shortest lead times in the industry. Products range in power from 500 kVA to 500 MVA core type, up to 1,400 MVA shell type. Our mission is to deliver the perfect transformer with a 60-year lifespan and provide unparalleled customer service. To learn more, visit us at www.vatransformer.com.

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