

# ACUTRAN

**Reliable Custom Transformers**

## Custom Dry Type Zig Zag Transformers

Acutran Custom Dry Type Zig Zag Transformers are designed and manufactured to withstand the challenges of industrial applications, and are engineered to our customer's specifications.

Zig Zag transformers are a special purpose three phase transformer used in power systems. Even though this type of transformer connection is not useful in transforming power, it has many features needed in today's power generation systems;

- A Zig Zag can provide a relatively low-impedance path to ground, thereby maintaining the system neutral at or near ground potential
- They can also be used to limit the magnitude of transient over-voltages when re-striking ground faults occur
- Permit the connection of phase-to-neutral loads when desired

Typical applications are delta connections requiring a ground like wind & solar farms, and generators



### Acutran Custom Dry Type Zig Zag Transformer Features:

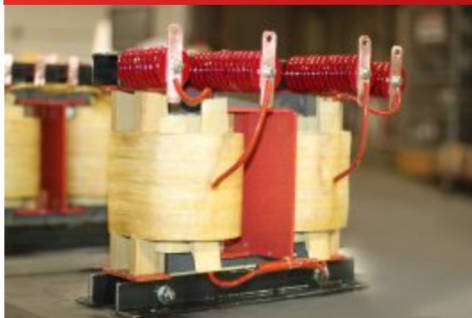
- 50, 60 and 400 Hz designs available
- 1kVA up to 3000kVA through 25kV
- Copper or Aluminum windings
- UL recognized insulation system for 600V Class units
- Multiple Insulation systems from 200°C, and 220°C.
- Customized Primary and/or Secondary voltages.
- Custom Ohms/Phase Design Ability
- Custom Continuous Amperage Sizing and Fault Current Carry Times
- Custom Enclosures with Strip Heaters and Thermostats to reduce condensation

**Acutran can provide any variety of custom dry-type transformers for your application.**

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# Acutran Complete Service Guide

## DRY-TYPE TRANSFORMERS



Acutran has over 5000 custom designs for dry-type transformers from 1kVA up to 3000 kVA., as well as stocking programs for our standard units.

Acutran can design, manufacture and deliver most transformers within 4 weeks or less.

## ENGINEERED SOLUTIONS



Acutran Transformers has provided solutions to some of our client's most challenging application problems. With our electrical design capabilities, Acutran provides functional, cost-effective solutions to meet your requirements.

Our engineers can help design power magnetic systems that become part of your own system.

## TRANSFORMER REPAIR SHOP



Acutran's Transformer Repair Shop offers complete repair and testing services for dry type and oil filled transformers up to 3,000kVA.

Coil design and rewinding, reconditioning, oil analysis, and more available. All types and brands of transformers can be repaired and returned in as little as 3 weeks.

## TRANSFORMER COMPONENTS



Transformers are **low maintenance, but not free of maintenance**. Acutran has formed a cooperative buying agreement for key products. This gives our customers available stock on key Oil Filled Transformer renewal parts. This results in lower prices and faster delivery on over 4000 components.

*Transformers are our Business*

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