

# JACKSON<sup>®</sup> TRANSFORMER CO.

*Quality Magnetic Products*

## the **Transinductor**

The **JACKSON<sup>®</sup> Transinductor<sup>®</sup>** is a patented\* method of combining a transformer and inductor in a single package utilizing the same magnetic circuit.

**JACKSON<sup>®</sup> Transinductors<sup>®</sup>** are customized to meet customer requirements, and are available in various ratings to match the appropriate load. All designs are optimized utilizing our exclusive computer programs to ensure the highest quality product.

The **JACKSON<sup>®</sup> Transinductor<sup>®</sup>** is a proven quality product with thousands of units operating throughout the world since 1994.

Available from 200 to 2000 volts, 400 Hz to 50 kHz up to 2000 kVA.

Using this integrated magnetic approach the **JACKSON<sup>®</sup> Transinductor<sup>®</sup>** provides a fixed inductance in the primary, secondary, or both.

The exciting current remains virtually constant throughout the transformers ratios.

By combining the two components, the size of the unit is reduced, the leakage flux is minimized, and the overall efficiency of this magnetic device is increased.

**JACKSON<sup>®</sup> Transinductors<sup>®</sup>** are totally encapsulated for use in any environment and are vibration free.

The windings are made of copper tubing and are water-cooled.

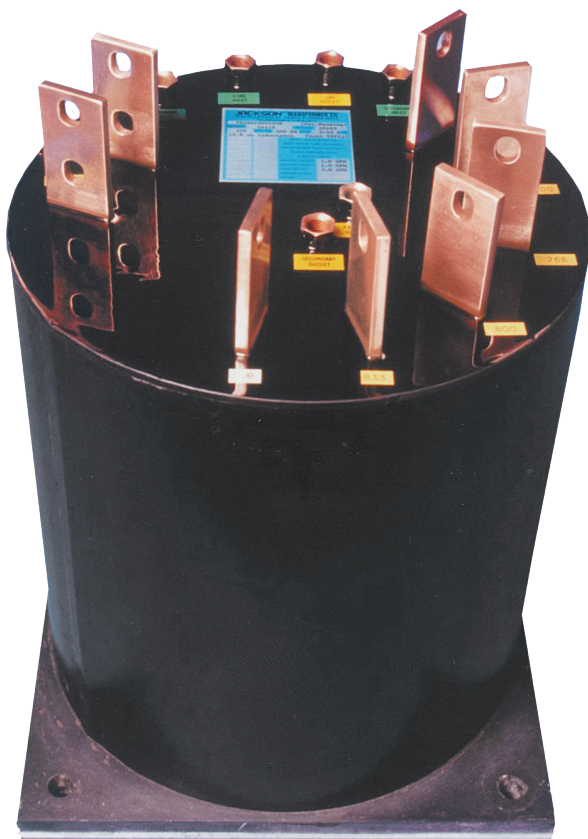
The water-cooled toroidal cores are made utilizing special thin electrical-grade steel to minimize core and eddy current losses.

Available with straight terminals or tap changing can be made easy with the Jackson uniquely designed swing link tap changing arrangement.

Input and output connections can be designed to meet specific requirements.

Available in Metric or Standard U.S. Threads.

For a high quality customized **Transinductor<sup>®</sup>** - Specify a **JACKSON<sup>®</sup>**.



U.S. Patent No. 5,376,912

### *Minimized Leakage Flux*

**WORLD CLASS TRANSINDUCTORS FOR WORLD CLASS CUSTOMERS**

**Reliable | Efficient | Economical | Compact**

**JACKSON<sup>®</sup>** Magnetic Products are made to order and made to last! At **JACKSON<sup>®</sup>** we work together with you, as a team, to design a product that meets **your specific** requirements.

**JACKSON<sup>®</sup>** Transformer Co. - Quality magnetic products you deserve!

**JACKSON<sup>®</sup>** Transformer Company provides our customers with a complete **Specification Sheet** upon request.

**JACKSON<sup>®</sup>** Quality Products are not only a wise choice, but the right choice.

**WE MANUFACTURE SOLUTIONS**

**ALL OF OUR MAGNETIC PRODUCTS ARE DESIGNED TO MEET YOUR SPECIFIC REQUIREMENTS.**

*For further information, contact our Engineering Department.*