



# TRANSFLEX

## A Low-Cost Solution for Producing Amorphlex Distribution Transformers\*

### ***Advantages of the Transflex kernel design for making amorphous-metal transformers***

- › Rolled-up core made with a Amorphlex flexible-annealed amorphous-metal ribbon
- › Multiple-functions moulded skeleton—i.e. a winding frame, coil and core support, coil cooling, and anchoring to the tank
- › Efficient coil cooling
- › Fully automatable coil-winding process
- › Fully automatable core-winding process
- › Fully automatable lead-terminal dressing and forming
- › Preformed secondary leads ready-to-connect with the tank bushings
- › Labor cost kept to a minimum through automation
- › Lower product rejects due to poor workmanship through automation
- › Increased product reliability through automation
- › National production cost competitive with foreign production through automation
- › Amorphlex flexible-annealed amorphous-metal ribbon sourcing not influenced by electrical motor and stainless steel demands

\*«Low-Cost Amorphous-Metal Rolled-up-Core Distribution Transformer»,  
Proceedings of the Transmission and Distribution Conference and Exposition (T&D),  
Orlando, 2012 IEEE PES

### ***To reach us***

Bruno Francoeur  
Telephone: 450 652-8988  
E-mail: francoeur.bruno@ireq.ca

Pierre Couture  
Telephone: 450 652-8716  
E-mail: couture.pierre@ireq.ca

**January 2015**

2015G028-A