



AMORPHLEX

A Low-Cost Solution for Producing Flexible-Annealed Amorphous Metal Ribbon*

Cost advantages of using an Amorphlex annealer for the amorphous-steel maker

- > Handleable annealed ribbon (flexible, ductile)
- > No annealing and no oven required at the transformer assembly plant
- > Reduced core rejects at the transformer assembling plant
- > Brings new annealing business to the casting plant
- > No know-how and no worker training provided to the transformer plant
- > Shipped ribbon finish product, ready-to-use for making cores
- > Economies of scale gained by the high throughput of an AMORPHLEX annealer
- > High duty factor of the high throughput annealer
- > The AMORPHLEX annealer allows real-time monitoring of the ribbon magnetic properties downstream to the in-line annealing equipment.
 - 100% certified quality product shipped
 - Close feedback with annealing treatment parameters
 - Close feedback with casting process parameters
 - No accumulation of bad product in the plant warehouse
- > Easy recycling in melting pots of any scrap produced by the annealer
- > Fully automated, high throughput, compact and continuous annealing process
- > No additional floor space required in the actual plant by replacing the pre-spooling equipment
- > 24/7 plant production @ 90% duty

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

*«Continuous-annealing method for producing a flexible, curved, soft magnetic amorphous alloy ribbon»,
Journal of Applied Physics, Volume 111 / Issue 7 / 07A309 (2012)