**Induction Barrel Heating: Cut Costs and Improve Quality**

**Advantages**
- Energy savings
- Faster heating
- Faster heating times, reduced annealing
- Reduced quench
- Increased capacity
- Uniform heating

**nXheat® Induction Barrel Heating**

The ideal way to heat the entire injection molding machines. nXheat® sharply cuts energy costs, improves temperature control and reduces stress to improve melt quality and increase yields. nXheat® uses an induction power supply and helical coils to generate heat directly in the barrel and a thermal insulating gap between the barrel and coils to virtually eliminate heat losses. Thermal inertia is eliminated to minimize heating and cooling response during processing for improved control and significantly faster startups on smaller machines. Induction maximizes heat addition in the fast zone to deliver a uniformly heated, less quenched melt to the compression zone of the screw to minimize stress during heating and quench. Reduced quench saves more power, improves process controllability, reduces component wear and improves material properties and part quality.

www.xaloy.com

© Fifth Avenue, Derry, Co. Down, BT42 5DP, N. Ireland
Tel: +44 28 9127 3172 Email: info@cooper-tech.com