



Banyard's excellent service for coil repairs and refurbishments is second to none. Striving for quick turnaround and utilising high quality techniques ensure we are the first choice for our customers.



Multi-layer induction coils offer high efficiency and precise control. In keeping with a policy of continuous improvement, Banyard has developed highly reliable designs and methods to serve its non-ferrous industry customers with heating systems and mechanical handling equipment.



A dedicated team of specialists also carries out fast response service and repair functions essential to good maintenance and long life.



For more information on how Banyard Products can assist you in making a superior cost effective product, please contact us at **Inductotherm Heating & Welding Technologies Ltd.** Church Street, Newport, South Wales NP20 2TW  
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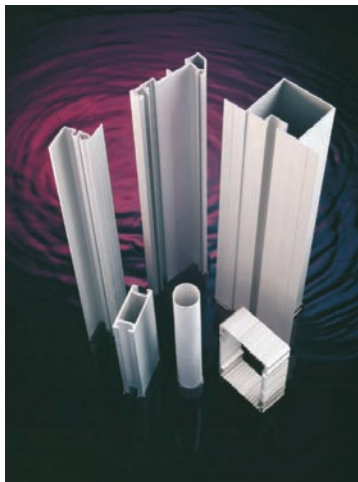
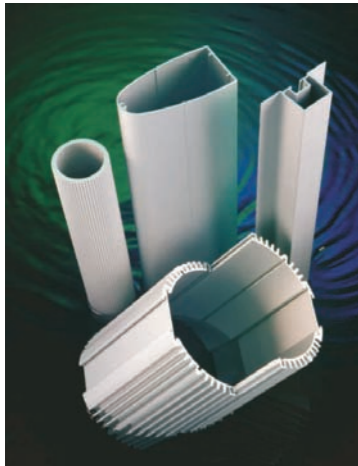
## Specialists in Non-Ferrous Induction Heating Technology



Leading Manufacturers of Melting, Thermal Processing & Production Systems for the Metals & Materials Industry Worldwide.

For more information, call +44 (0) 1256 335 533 or visit [www.inductotherm-hwt.co.uk](http://www.inductotherm-hwt.co.uk)

aluminium alloys • magnesium • brass • copper • cupro-nickel • silver • gold • platinum • zirconium • titanium



The accuracy and controllability of induction heating makes it the ideal choice for billet heating applications.

Today's manufacturers demand billets of the highest quality at the press. This can only be achieved by precise control of the manufacturing process. Banyard taper heating equipment achieves this with multiple control zones by both "static" and "dynamic" heating.

Systems developed primarily for the aluminium micro-tubing industry offer 'zero friction' servo handling to eliminate billet surface damage.

The high repeatability associated with Banyard induction heating equipment satisfies latest automotive industry SPC standards.

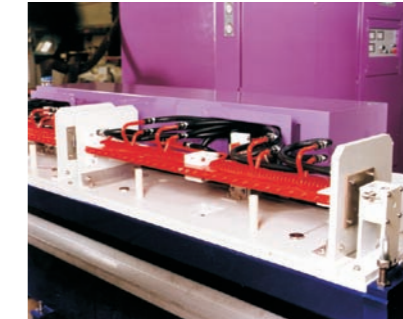


For copper and brass the rapid heating rates achievable by induction also reduce oxide formation and surface burnout of alloying elements ensuring improved product quality. Reduced grain growth and precipitation of Mg<sub>2</sub>Si in aluminium alloys improves product quality and anodising finish.

Banyard is able to offer a wide range of equipment, including high speed in-line tube annealing systems.



Banyard has a wide range of medium and high frequency inverters to address a comprehensive range of applications. For the heating of large diameter billets, Banyard's latest generation of IGBT low frequency inverters provide greater operating efficiency and significantly faster heating rates.



Banyard solid state power supplies are designed to provide precise energy control and eliminate the need for high maintenance switchgear items.



Precision taper heating using the Banyard multi-zone Booster heater. Powered by an Inductotherm Lfi series low frequency IGBT inverter, the Booster can be retrofitted to existing extrusion lines heated by gas. The combination of increased temperature accuracy and repeatability results in both increased output and a higher quality product.

