

William Rowland enhances analytical capability and product range in its alloys and solder segment

WILLIAMROWLAND

www.william-rowland.com

Sample analysis and solder bath monitoring

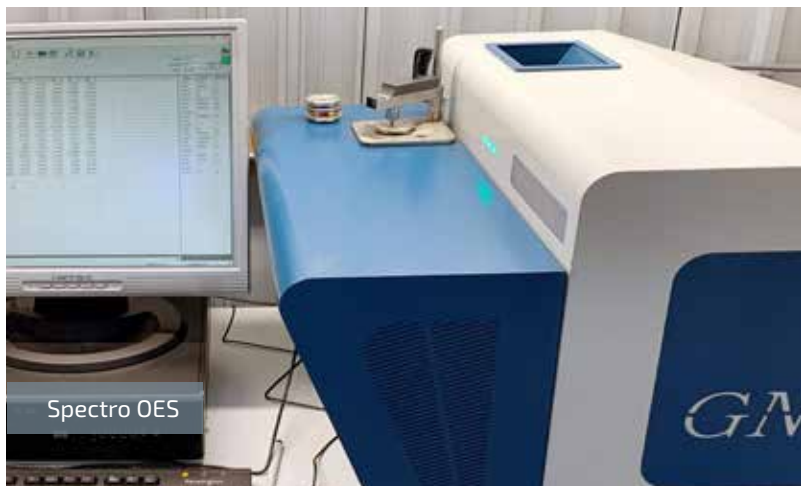
The newest addition to the William Rowland laboratory, the ability to analyse solder and alloy samples to ensure William Rowland alloys meet customer and industry standards using optical emission spectroscopy.

Optical emission spectroscopy, or OES analysis, is a rapid method for determining the elemental composition of various metals and alloys. OES analysis uses a sparking process by applying an electrical charge to the sample and vaporising a small amount of material. When a spark occurs, a discharge plasma with a defined chemical signature is created, providing a percentage breakdown of constituent elements instantly.

Knowing the precise quantitative breakdown of the alloy ensures consistent quality and batch to batch reliability. WR can provide customers with routine bath analysis confirming the alloy continues to function within specification and/or advise if any further action is required. Samples are then stored for future reference and monitoring. Additional to OES technology, WR also operates an ICP-OES in its central lab, where greater levels of detection is achievable.

New product offering

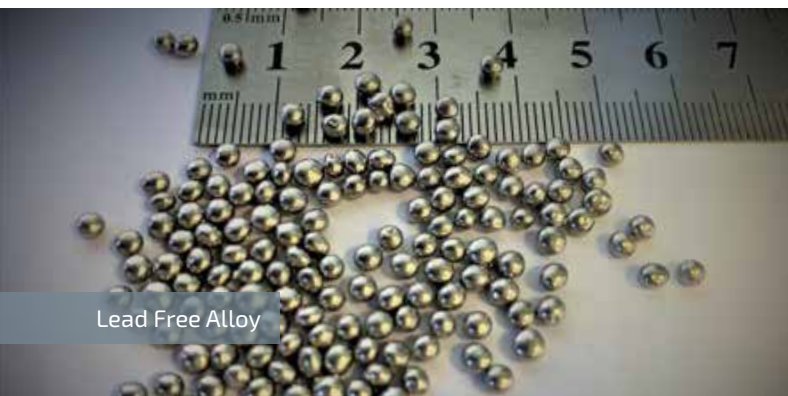
Whilst many of the alloys WR manufacture are tried and tested, we have accepted the challenge from several customers to provide these staple alloys in different product forms. We have recently had success manufacturing 3mm lead free shot and blowpipe solder stick for customers who presented us with the challenge. These products have now been added to the portfolio and pricing is available on request.



Spectro OES



Laboratory



Lead Free Alloy

Solder waste recycling & dross recovery service

Reducing our environmental impact is part of the William Rowland culture. We assist our customers in this by providing solder/alloy waste recycling and dross recovery service.

Using licensed carriers, we arrange collection and supply reclamation cans providing a complete service cycle. Samples are analysed before processing to ensure we can meet the necessary specification.

Please contact us for more details on 0121 508 6791.

WR 
**ALLOYS
AND SOLDERS**

WR 
**METAL
POWDERS**

WR 
**REVERT
ALLOYS**

WR 
**REFINED
METALS**

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