CRUCIBLES
For non-ferrous foundry applications
As a reliable and trusted supplier of crucibles, retorts and associated products, Foseco can help you to optimise your melting and processing operations, reduce energy consumption and maximise crucible life.

The right crucible for every application
Foseco offers the foundryman a complete range of silicon carbide and clay graphite crucibles, retorts and other specialised shapes for use in fuel fired, induction and electric resistance furnaces.

High performance
rotational moulded and isostatically pressed crucibles

Foseco crucibles offer the following benefits:

* Energy efficient
  Foseco crucibles are thermally efficient and require less energy to melt and hold the liquid metal.

* Long life
  With careful handling and maintenance, excellent crucible life can be achieved.

* Fast melting
  High thermal conductivity ensures that charge materials are melted quickly and effectively saving time and money.

* Tailor made
  A wide range of standard shapes and sizes are produced. Customised shapes and sizes are available on request.

* High capacity
  Foseco offers large crucible sizes. Aluminium crucibles of more than 2 tonnes are available.
The Foseco crucible qualities

+ ENERTEK*
  A new family of energy efficient crucibles that have been formulated and manufactured to offer the most thermally efficient crucible for melting and holding.

+ DURATEK*
  A new family of crucibles with improved properties designed for specific applications to achieve an extended service life.

+ DIAMANT* SPECIAL
  Premium quality, isostatically pressed crucibles for low temperature applications with good thermal conductivity and chemical attack resistance.

  Ideally suited for the melting and holding of aluminium as well as other low temperature applications.

+ DIAMANT UNIVERSAL
  Premium quality, isostatically pressed crucibles with good thermal conductivity.

  Suitable for a wide range of high temperature applications including copper alloys and zinc distillation.

+ DIAMANT TOP
  Isostatically pressed crucibles with very high electric resistivity. Specially designed for use in high frequency and/or high power induction furnaces.

+ KING-CARB*
  Isostatically pressed, carbon bonded crucibles suitable for a broad range of low and high temperature applications.

+ TERCOD*
  Rotational moulded, carbon bonded crucibles with high thermal and mechanical shock resistance.

For detailed application information please refer to the individual product datasheets.

Comparison of energy costs
conventional crucible vs. ENERTEK crucible

Tailor made crucibles are available
Quality, consistency and flexibility

Research and development
As the quality demands from end-users of castings increases, it is essential that foundry technology keeps pace. Foseco continually invest resources in the research and development of innovative solutions to the problems of today and tomorrow. Development laboratories work closely with in-house casting facilities to ensure new product developments fully meet the customer’s needs.

Consistency
Controlled and automated manufacturing processes ensure that products are supplied to a highly consistent specification, minimising batch to batch product variations.

Quality assurance
Accredited quality assurance systems ensure optimal testing of finished products, and provides a framework for continual improvement and further process optimisation.