

# WAXMATTERS

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## New Technical Centre Opens

Following a reorganisation of its facilities at Cambridge, UK, Blayson Olefines Ltd is pleased to announce the opening of its new Technical Centre.

Under the leadership of Technical Director Dave Bond the laboratory has been relocated and combined with the R&D section in a newly equipped unit adjacent to the company's production facility. The move was completed at the beginning of December 2003 and the change has enhanced control of wax products. It will also speed the introduction of new wax materials into the marketplace.

Equipped with industry standard test equipment and SPC process control, the Technical Centre also features both MPI and Battenfeld wax injection presses. These allow wax testing on state of the art machines and are available for customer trials.

The UK company's close collaboration with technical colleagues based at Blayson Japan Co Ltd means that there are other exciting projects in the pipeline designed to improve the understanding of investment casting wax and improve the investment casting process.

## Farewell Kenny!

For over 25 years Blayson's customers have been loyally served by Kenny Grimm.

For many customers across the country his name has become synonymous with Blayson's wax products.

Kenny has delivered to most investment casting foundries around the UK with a positive attitude towards resolving any problems that may have occurred from time to time.

Always with a cheery greeting Kenny has proved an excellent ambassador for the company and he will be missed by colleagues and customers alike. We wish him all the best in his well earned retirement.

Pictured below at a farewell dinner, hosted by group MD Ron Williams and attended by colleagues from Blayson's former London and current Cambridge offices, Kenny sends his warm regards to the many friends he has made over the years.



## Core Solutions

One area of the investment casting process that has long caused heartache to manufacturers is the need to produce soluble cores. These are of increasing size and complexity and their use is becoming more common. To help resolve these difficulties Blayson has developed a **new soluble wax** with ease of injection and leaching as key properties. **A7-2500** has proved extremely successful in initial trials, injecting easily, giving an excellent surface finish, and freedom from surface cracking. Furthermore A7-2500 leaches out completely (using the normal weak acid solution) without leaving residues behind.

A spin-off from the new soluble wax has been the development of a **soluble core repair wax**, this has proven very successful for correcting minor flaws in soluble cores and is now available. For details and samples of both the above products contact: [sales@blayson.com](mailto:sales@blayson.com)

## Injecting Quality

Another new product development is the manufacture and supply of high quality injected **Runner Bars**.

This follows the installation of a 2nd MPI injection press at the Cambridge production facility allowing full scale production to commence.

Customers report the quality of the injected bars as superior to poured products and exhibiting strengths equivalent or better than extruded bars. Accordingly real benefits exist. Tooling can be cut for customers' specific requirements with the cost amortised if required. With many investment casting foundries preferring to use their production time and workforce in more constructive ways the purchase of ready-made high quality components is a major advantage. If you would like to know more contact the Blayson sales office.

## Making Billets!

No it isn't a misprint, Blayson has commenced production and supply of wax billets for customers to manufacture extruded runner bars.

Whilst it is a minority of foundries who purchase their runner wax in this form, a consistent supply of quality billets is critical for those who do. They see benefits for their particular process and Blayson is pleased to be in a position to satisfy the need and serve them with this further new product development.

## ISO 9001:2000

The opening of the Technical Centre in November 2003 coincided with an upgrade to Blayson Olefines QA certification.

The company had been working towards approval to the higher standard ISO 9001:2000 throughout 2003, and Quality Co-ordinator Michele Cranwell is delighted to report that this has been granted following a final assessment by SGS.



## The World of Investment Casting

Ron Williams will lead the session on the Market Review of the global investment casting industry at the World Conference to be held in Edinburgh in May 2004.

Ron has been the lead player on this popular and informative talk for many conferences - the company's knowledge and analysis of the world's investment casting markets is respected around the globe.

A summary will be published in the next issue of "Wax Matters" for those of you unable to attend the conference, alternatively contact [ronwilliams@blayson.com](mailto:ronwilliams@blayson.com)

## Group Technical Co-operation

To aid innovation in wax research and development and importantly to speed the introduction of new materials into the marketplace, regular 6 monthly Blayson Group technical development meetings are to be held.

These will involve personnel from the technical teams based in Cambridge, UK and Chiba, Japan. The meetings will alternate between each location and real benefits for investment casting foundries are expected to result from them.

## New Pelletiser for Japan

The continued success and growth of Blayson Japan Co Ltd has resulted in the installation of a new pelletiser.

This will substantially increase wax production capacity to cope with the growing demand in the Japanese market for Blayson's products.

## New Website launched

To promote the understanding of the intricacies and properties of the variety of investment casting wax materials used in the modern process, Blayson is hosting a new website, [investmentcastingwax.com](http://investmentcastingwax.com). The site is dedicated to the subject and covers the basics of wax composition, it's complex chemistry, how this reflects in physical properties and ultimately wax performance in the process. Future development of the site will include the addition of an archive of technical papers, which will be available for download.