

## **Cost-Out Options - Wax Training**

Investment casting foundries are under increasing pressure to reduce process costs and at the same time to improve casting quality.

Since the quality of wax patterns fundamentally affects the quality of castings produced, it is essential that the wax process is optimised in order to ensure highest pattern, and therefore casting, quality at the lowest production cost.

The expertise of the Blayson team is available for wax training programmes to ensure that foundry personnel understand the complexities of wax and how to obtain the best possible results.

### **Wax Training**

Wax training can be arranged either at the foundry or at The Blayson Technical Centre Cambridge.

Depending on requirements training programmes can take from half a day for a basic introduction session to 1- 2 days for a comprehensive training course.

Training courses are tailored to suit the audience and the foundry's needs. Typically they could include some or all of the following:

- ❖ Understanding investment casting wax
- ❖ Key properties for the investment casting process
- ❖ Wax choice and design criteria
- ❖ Wax testing & manufacture
- ❖ Quality control
- ❖ Fundamentals of wax usage
- ❖ Relationship between wax and shell
- ❖ Injection parameters
- ❖ Use of wax with ceramic cores, theoretical & practical considerations
- ❖ Wax storage & handling
- ❖ Wax melting procedures and equipment
- ❖ Temperature control
- ❖ Injection press condition and set-up
- ❖ Defects, cause and correction
- ❖ Tooling considerations

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