

Blayson Technical Centre

Centre of Excellence for Wax Technology

Based at the Blayson headquarters in Cambridge UK, the Blayson Technical Centre has been continuously developed in order to stay at the forefront of investment casting wax technology



A Technical Centre with the same facilities also exists at Blayson Japan Co Ltd Chiba, Japan

The two Technical Centres cooperate and work together on wax developments and industry related projects

The Role of the Technical Centre

- Responsible for maintaining Blayson Group quality standards
- To provide the investment casting industry with a centre of excellence for wax technology and processing

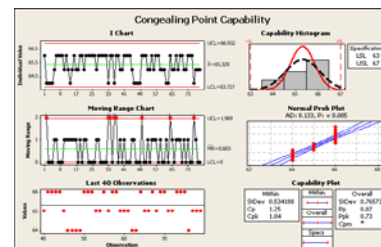
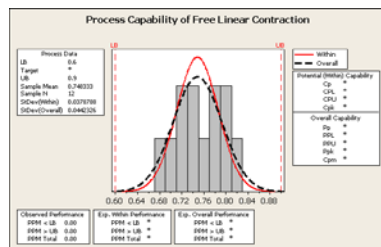
Services

- Quality control of wax production
- Quality assurance, certified to ISO 9001:2008
- Wax evaluation and technical reports
- Research & Development
- Collaboration with external institutions
- Laboratory testing
- Industry standard wax testing
- Video conferencing facilities for customer support
- Customer specific wax developments



Advanced Wax Testing

- A range of process related tests have been introduced
- Designed to help foundries make any necessary process adjustments
- Leading to improved injection consistency and efficiencies
- Test data is generated to monitor trends within both the wax and the process
- Blayson uses an automated link between the input database and the Minitab SPC software to monitor trends



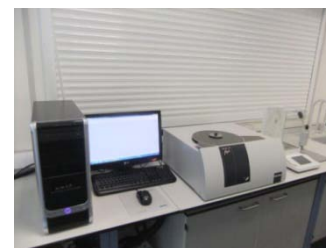
Process Related Tests

- Elemental ash analysis
- Fluidity measurement using spiral die
- Free linear contraction
- Dimensional analysis
- Injection Parameters by MPI 20-20 Vision Unit



Other Wax Tests

- Rheometry
- Mechanical strength
- Melt speed
- DSC
- Infra red
- Volumetric expansion



Research and Development

- Ongoing programme of wax developments
- Working in partnership with customers on specific projects
- Involvement with industry and university led research

Blayson is committed to pursuing excellence and to providing a better understanding of wax, ancillary materials and equipment, to enable customers to maintain and improve their competitiveness