

Product Range & Services

Wax Materials

A complete range of high quality wax materials is manufactured:

- **Filled Pattern Wax**
- **Emulsified Pattern Wax**
- **Straight (Unfilled) Pattern Wax**
- **Specialist Wax**
- **Reclaim & Reconstituted Wax**
- **Runner Wax**

Injected Runner Bars

Can be supplied to customer designs and specification.

Injected Soluble Cores

Can be supplied using customers tooling.

Recycling of used wax. As the pioneer and specialist in wax reclamation Blayson is uniquely placed to offer, high quality, low ash, recycled products suitable for the manufacture of a complete range of patterns and runner systems.

Water Soluble wax materials are a speciality and the range gives the benefit of good injection and surface finish together with zero residues on leaching. An ultra-violet dye is added to allow inspection of the cavity.

Soluble Patching wax for repair of water-soluble cores.

Core wax for sealing ceramic cores, improving the surface finish and alleviating cracking

Flexible rods for use in strengthening and/or venting wax assemblies

Hard or Soft Repair wax

For the repair of patterns and for sealing assemblies. These can also be used for moulding into required radii.

Dip Seal wax, very fluid and therefore capable of flowing into and sealing undercuts and open seals.

Jewellery wax requires good flow and high strength combined with the ability to reproduce intricate detail. Blayson offers a range of suitable wax grades specifically for this industry.

Adhesive wax, several formulations with a variety of temperatures and setting rates from fast to slow used for the gluing of pattern parts and assemblies.

Machining wax for rapid prototyping and the production of proofing patterns.

Equipment

Blayson is the appointed sales agent for MPi wax conditioning, injection and auto-assembly equipment in UK, Japan, Russia.

Samples and Trials

Are always available on request for injection at the foundry or in our Technical Centre using customer's own dies.

Product Forms

- Pattern and Runner wax
 - Pellets
 - Slabs
- Packaging
 - 25 kilo bags
 - 22 kilo boxes
 - 500 kilo 'Big Bags'
- Supplied as 500 kilo s/w units

- Specialist wax
 - 10 kilo blocks in boxes

- Billets - for extrusion of runner bars

Technical Support

Blayson's experienced technical team and the company's expertise in wax injection is always available to help with customer trials and needs. With industry standard injection equipment installed, trials can be carried out using customers' own dies. The company prides itself on a high level of technical support backed by detailed technical reports.

Research & Development

Pro-active in supporting the development and growth of the worldwide investment casting industry, R&D is on-going at Blayson.

A member of the leading industry associations: Investment Casting Institute (US); Japan Foundry Society; European Investment Casting Federation; Cast Metals Federation (UK).

Quality Assurance

Blayson's total commitment to quality ensures all products and systems consistently meet required parameters through fully monitored process control and ISO 9001:2000 certification.



Ancillary Materials

Pattern Wash: Trisol 60 Plus is the leading and most effective pattern wash for removing silicone and cleaning patterns and assemblies prior to the shelling process. Trisol imparts a unique surface micro-etch aiding prime coat adhesion and consequently reducing inclusions.



Blaysil 200 silicone (aerosol) and **MRA 250 non-silicone** (bulk supply only) release agents specially formulated for even lay-down and easy removal of wax patterns from moulds.

