

## PRODUCTS

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The Westland Casting Company Limited produce high quality aluminium castings utilising both sand and gravity techniques. We produce in all grades of Aluminium casting alloys suitable for the process required.

Current applications include:

- Automotive
- Architectural
- Fighting Vehicle
- Turbo-chargers
- Actuators

[www.westlandcasting.co.uk](http://www.westlandcasting.co.uk)



*Westland Casting Co Ltd*

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*Prototype  
Brochure*



**Catering for all your prototype and precision sand cast requirements.**

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# Prototype production at Westland Castings



Recently produced engine block for specialist engine

The Westland Casting Co Ltd is an independently owned Aluminium sand and Gravity foundry. We specialise in the production of small to medium volumes and in particular precision sand castings and prototypes. We place a very high importance on customer service providing high quality product on-time.

## In-house Facilities

- Sand Casting
- Gravity die-casting
- Core-making
- Heat treatment
- Machining

## Tooling

Prototype tooling is produced in Ureal Board or CY219 resin unless specifically requested in another material. Equipment can be produced from traditional 2 dimensional drawings or from 3D CAD models. Ideally data should be supplied on CD-ROM but digital tape or e-mail is accepted. Accurate lead times are provided for tooling. We understand the importance of prototyping to our customers on-going business with their customers and we always make on-time delivery a priority for prototype tooling as this is often the first step of a long project.

Prototype orders are all assigned to a manager who is personally responsible for ensuring that all the contract requirements are met.

## Inspection



All prototypes have a full dimensional Inspection carried out.

First off samples are usually produced within 48 hours of completion of the tooling. Exceptions to this are for complex core arrangements that require several separate set-ups of core-boxes. First off samples are visually inspected and then despatched to the customer; inspection and X-ray if required. Full dimensional reports are carried out on all prototypes.

Any alterations that are needed on the tooling following the mark-out are again given priority and the tooling is re-sampled after alterations.



First off prototype door closer ready for I.S.I.R.

Please contact **Paul Borland** or **John Dunlop** for further information on prototyping or any of our other services. Alternatively send drawings or data to the address below. Please contact us regarding file sizes before using e-mail.

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