

FORT VALE Castings Ltd.

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Fort Vale Castings Ltd specialize in lost wax investment casting.

This is a precision manufacturing process that enables us to produce your components to high tolerances and good surface finishes. Investment casting can also reduce the number of machining operations needed to produce components, compared with sand casting and fabrications, which can save you time and money.



Fort Vale Castings Ltd offer a rapid prototyping service.

This means that we can produce a 3-D model of your component in ABS plastic. The model may then be shelled, burnt out and cast in as little as 7 working days. This process considerably reduces lead times for prototype components when compared to waiting for tooling samples for complex parts, or machining from solid for less complex components. Our rapid prototyping service affords you flexibility of design and minimum wastage of material, energy and subsequent machining and finishing services, again saving you time and money.

Fort Vale Castings Ltd is a One-Stop-Shop.

Our engineers are highly qualified and have a wealth of experience and expertise. We use Magmasoft® casting simulation software to improve yield and reduce defects. Fort Vale has an in-house machining and surface finishing service and can offer non-destructive testing facilities.

We work predominantly in stainless steel and can also work with other materials such as carbon steel, phosphor bronze, aluminium bronze as well as high performance alloys, e.g. Hastelloy®, Inconel®, Monel®. Please contact us if your enquiry uses a different material.



Manufacturing Capacity

Wax Shop

- 2. 20 ton Eltamby wax presses
- 1. 10 ton Eltamby wax press
- 1. Tempcraft wax press
- 1. Maymar MV60 wax press
- 1. 20 ton Mueller Phipps auto wax press

Shell Shop

- 2. VA Tech shell producers

Foundry

- 2. Leeds & Bradford autoclaves
- 2. Chatburn & Chantry firing furnaces
- 1. Inductotherm 225 inverter 250kg tilt furnace
- 1. Inductotherm 175 inverter 150kg tilt furnace
- 2. 50kg tilt furnaces

Finishing & Inspection

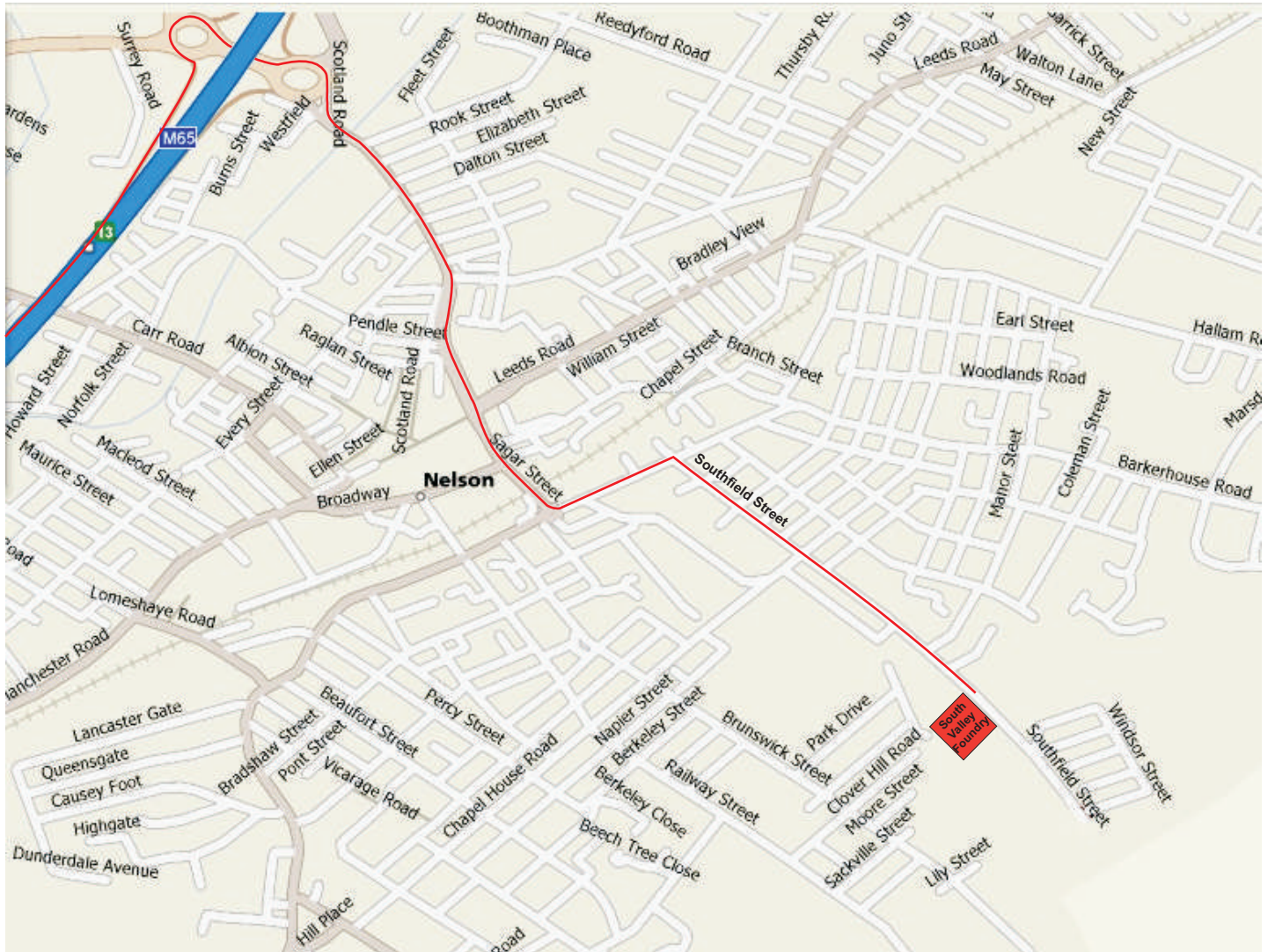
- 2. Knock-off cabinets
- 2. Reichmann semi-auto cut-off machines
- 2. Double head Morrisflex finishing machines
- 1. Single head finishing machine
- 1. Spencer Halstead tree blast machine
- 2. Rubber belt blast machines
- 1. Hand blast cabinet
- 1. Power press
- 1. Spectrograph

Mould sizes

- Up to 15" diameter (381mm)
- Up to 20" height (508mm)
- Up to 20" wide (508mm)
- Up to 20kg weight

In addition, Fort Vale Engineering Ltd has its own product range of valves and fittings for the bulk transportable liquids industry. The Fort Vale group of companies comprises six additional manufacturing entities, mostly in the engineering sector, with complementary skills including laser and water jet cutting, powder coating and CNC punch presses.

HOW TO FIND FORT VALE CASTINGS LTD



From Manchester

Follow the M60 Northbound, by-passing Manchester, until junction 18, where you can join the M66 (North). This runs into the A56(M) towards Rawtenstall and Accrington joining the M65 at junction 8.

Head East and then exit the motorway at junction 13. Turn right at the roundabout towards Nelson. Continue straight ahead at the second roundabout towards Nelson. Continue up the hill, straight ahead at the mini roundabout. Continue straight ahead at the traffic lights. Straight ahead at the mini roundabout, past the old bus station on the right and then turn left at the roundabout (Total Garage). Turn second right onto Southfield Street. Continue straight ahead at the junction.

South Valley Foundry can be found approximately half a mile along the road on the right hand side.