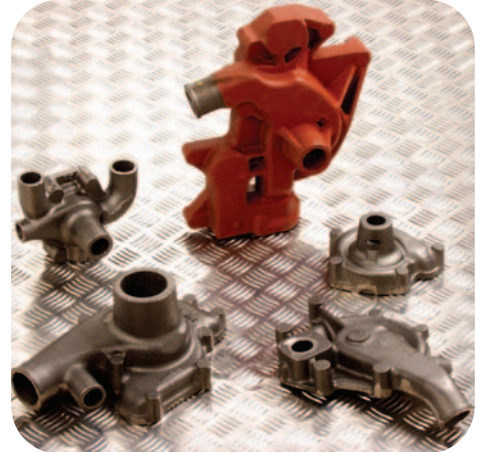


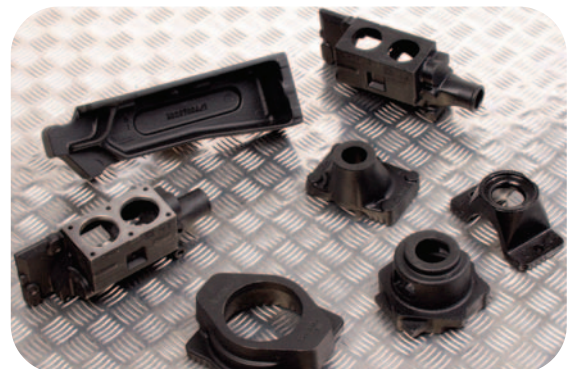


# Automotive & Commercial Vehicles

At Chamberlin and Hill we have been involved in producing castings for the Automotive and Commercial Vehicle sectors for more than 30 years. The portfolio of parts we produce, in both Grey Iron and Ductile Iron includes technically demanding castings such as turbochargers and power steering pumps, also brackets, thermostat housings, manifolds and more. From our experience of producing multi-cored thin section castings, we are able to produce both water and oil containing components. With our vast experience of core technology and our significant multi-parted core box capacity (which is one of the highest in Europe), we are able to produce complex pumps, turbocharger and similar automotive castings from low volume through to high volume.



We have the specialized plant and personnel to work with engineers to maximize design, improve performance and reduce costs while still maintaining our high level of quality supplied by ISO 9000 and QS 9000 approvals. This flexibility ensures we are able to produce castings from the prototype design stage through to full series production and then into the aftermarket. Thereby saving time and cost as the component moves through its life cycle. We have been able to combine this with flexible delivery e.g. JIT and Kanban to ensure seamless supply whilst maintaining our customers expectations of quality.





# Turbocharger Components

Chamberlin and Hill is a long established supplier of centre bearing housings for diesel and petrol engine turbochargers used in automotive and commercial vehicles. Using horizontal and vertical moulding, we are able to produce castings that are water-cooled as well as the traditional air-cooled. With our facilities, we are able to produce parts from prototype into full series production and after-market ensuring the continuity of supply and quality.



From our strategic investment in core technology, specifically with multi parted core machines, we are able to produce accurate, high integrity cores in volume. By eliminating the need for core assembly, costs are minimised. Further savings can be achieved by avoiding the more expensive/traditional process such as Shell Moulding. Combining our expertise in coating technology, we are able to repeatedly deliver internally clean, flash free bearing housings direct to machine lines. Delivery methods include J.I.T / Kanban with fully machined components an option.



Our flexibility enables us to produce Grey Irons and Ductile Irons, giving us the opportunity to supply hot end turbine covers and centre housings.

The ability to supply both components in the as-cast or machined condition allows a more complete solution to our customer's requirements.

