

Turbo Technologies

Global Technology Partner



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Vision:

Making people's lives better by
unleashing the Power of Cummins.

Our mission:

- Motivating people to act like owners
working together
- Exceeding customer expectations by always
being first to market with the best products
- Partnering with our customers to make sure
that they succeed
- Demanding that everything we do leads to a
cleaner, healthier, safer environment
- Creating wealth for all stakeholders



Integrity
**Strive to do what is right and do
what we say we will do**



Innovation
**Apply the creative ingenuity necessary
to make us better, faster, first**



Delivering superior results
**Exceed expectations,
consistently**



Corporate responsibility
**Serve and improve the communities
in which we live**



Diversity
**Embrace the diverse perspectives
of all people and honour with both
dignity and respect**



Global involvement
**Seek a world view and act
without boundaries**

Experience with expertise

Cummins Turbo Technologies and the Holset brand have been providing the commercial diesel market with innovative and reliable turbocharger technology for over 50 years. Holset was incorporated as a limited company in 1952, and was later acquired by Cummins Inc. in 1973. It is now one of the world's largest and most successful turbocharger manufacturers with sales of approximately \$1 billion per annum.

With more than 50 years' experience and expertise gained in automotive, on and off-highway, power generation & marine sectors, we have developed a wide range of technical solutions including wastegated, variable geometry, power turbine and two-stage systems to meet the variety of needs dictated by this vast array of markets. From specialised military hovercrafts to the more conventional delivery vehicle, we have developed innovative dependable solutions to meet the most challenging of requirements.

We collaborate very closely with our customers to meet the most demanding performance expectations and stringent emissions standards. The Holset product range will help you achieve your fuel consumption and emissions targets, whilst ensuring that your engine products deliver the performance, reliability and durability that your customers expect.

Our global network of technical, sales, manufacturing and aftermarket support ensure that we continue to support your needs long after new technologies are launched to the market. With these world-wide capabilities, Cummins Turbo Technologies provides comprehensive international collaboration, an approach reflecting the needs of our global business partners.





Innovation you can depend on

The demands on diesel engines are more complex than ever. Our customers have high expectations that our products deliver superior performance, and enable the engine to meet fuel consumption and emissions targets, without compromising on weight and size.

Working in close partnership with our customers, we deliver tailored solutions as part of a collaborative team to meet market and customer expectations in the fastest possible time, to a robust quality standard. Our market-leading expertise in engine system modelling, using analysis tools such as GT Power, enables comprehensive, accurate, right-first-time turbo selection and engine performance prediction.

Additionally our specialist engineers lead a comprehensive design process incorporating world-class development resources and rigorous analysis and testing to produce turbochargers with market-leading performance as a critical component within an engine system.

We concentrate on your long term objectives as a valued partner. Through market and technology aligned product planning, and our research into innovative, pioneering solutions to meet current and future market trends, we deliver an end product that will provide you with a competitive advantage now and in the future.

Increasing system integration requires every component within the vehicle to contribute to its overall cost effective performance. As an example, Cummins Turbo Technologies proprietary sliding wall variable geometry turbocharger design can also deliver engine braking and regeneration of the diesel particulate filter, whilst reducing overall powertrain costs and cost of ownership.

Global knowledge drawn from local expertise

Cummins Turbo Technologies is a global organisation, providing local sales support and technical expertise for our customers across the world.

Our global network of technical centres allows us to work in partnership with our customers wherever they are, enabling us to be responsive to individual needs. These sales and technical support centres can be found in the UK, USA, India, China, The Netherlands and Brazil. This allows us to provide product development support, post-launch support and longer-term service to all our customers world-wide. As a part of the wider Cummins group, we also have access to a class-leading distribution and service network extending to all parts of the globe.

We understand regional differences and we pay great care and attention to understanding our local markets to ensure that we deliver to their specific requirements. For example, our manufacturing and technical centres in India and China are among the most long-standing in those markets and the envy of our competitors. We have many decades of experience of those markets and understand the specific requirements of local customers.



Your global technology partner



Being part of a wider automotive group we are skilled in working as part of an integrated development team, and through that heritage we have developed our market-leading engine system modelling skills.

As well as working closely with our customers we also collaborate with our global supplier-partners throughout all stages of product development and for rapid prototype parts, ensuring that we fully leverage their expertise and know-how to provide excellent product performance in the most cost-effective way.

The key to our global success is our employees. Within Cummins Turbo Technologies we have the highest regard for diversity and that includes understanding the people and the markets in which we operate. This can only be achieved through the high calibre of our local employees.

Working in partnership with our customers and suppliers means that we also work to share our knowledge of markets and applications as well as providing training and working on joint projects. This may include product development but also efficiency and process improvements, and we recognise that our success depends on the success of our partners.

Robust engineering, intelligently applied

Our customers don't just measure us through the innovation that we provide or our speed to market but also through the quality of our products and processes.

We have one set of global standards for both our products and our processes. All world-wide operations are certified to the automotive standard TS16949, together with all global plants being approved to ISO 14001.

The Cummins Operating System has been adopted throughout our global operations, ensuring that we have engrained best practice quality systems throughout our global culture.

One of the practices within the Cummins Operating System is our commitment to Six Sigma, and we aim to have every professional employee within Cummins become a Six Sigma green belt within their first years at the company.

We use these improvement skills throughout all aspects of our operations, both in designing reliable and robust products, and providing more capable processes, thus ensuring our future effectiveness and efficiency.

Our rigorous design and analytical tools form the foundation for our quality products, predicting failure modes and life expectancy of our components depending on our customer application, allowing us to improve the reliability of our products even before they're tested in rigorous 'real-life' environments.



We go the extra mile

From the gold mines of South America to a bus depot in Detroit, we go that extra mile to ensure your turbocharger continues to perform as well in the application as it did in the laboratory. We can have specialist application engineers on site anywhere in the world to assist you with your turbocharger applications issues.

With comprehensive global coverage for diesel engine applications we provide round the clock customer and technical support, and on-time delivery of spare parts and turbochargers via a worldwide distribution network.

You can depend on us.

