

PERFECTLY ENGINEERED EXHAUST TECHNOLOGY

  
**BTB EXHAUSTS**  
*Celebrating 30 Years of Success*

## BTB Exhausts

**BTB Exhausts have been supplying championship winning motorsport teams and drivers with performance enhancing exhaust manifolds and systems since 1983.**

Whether you are competing at club level or in a World Championship, BTB Exhausts' 30 years of experience will help you find a winning advantage. Every aspect of our exhausts design and manufacture is focused on improving performance and reliability. All BTB designs are optimised using 3D CAD technology to optimise performance and fit. An on-site digital measuring service is available for confidential or incomplete project vehicles. All manufacturing is done by expert craftsmen at our fully equipped premises in the heart of the UK's Motorsport Valley.

Our core skills include computer controlled mandrel tube bending and fabrication, and welding of all types of metal including Inconel, titanium, stainless and aluminium alloys.

Sophisticated sound measurement and analysis equipment is used to provide efficient exhausts that comply with the latest noise regulations. We specialise in one-off or short batch work and also supply FIA homologated free flow catalyst converters for international motorsport competitors.

Continued success in competition has led to us being asked to do prototyping and collaborative design projects for blue-chip automotive clients. They rely on our expertise to help them meet their challenges on packaging, noise- and emission levels. We have further collaborated on aviation and military vehicle engineering projects.



## BTB in the BTCC

BTB first started supplying exhaust systems to British Touring Car Championship (BTCC) competitors soon after its inception in 1983, fabricating the side exhaust system for Jon Dooley's Alfa Romeo GTV6. Jon and his team remained loyal customers for many years, while other production saloon competitors also joined the BTB fold, including Eurotech's Mike Jordan. This led to BTB's supplying exhausts systems for the Eurotech Porsches, while enjoying continued success in touring cars, including supplying the silencers for Tim Harvey's BMW when he clinched the 1992 BTCC title.

When Eurotech returned to the BTCC, BTB was on hand to help them convert the 888 Vectra's to the new NGTC turbo engines. After switching to the Honda Civic, Mike's son Andrew won the 2013 BTCC title with BTB's Inconel turbo manifold.





## Motorsport

BTB Exhausts supply exhaust systems and services to many of the world's top competitors. Our expertise with CAD jig manufacture, CNC Mandrel tube manipulation, TIG welding, silencer design and noise analysis helps competitors to achieve winning results on the track.

## Automotive

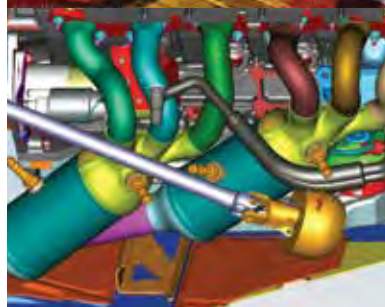
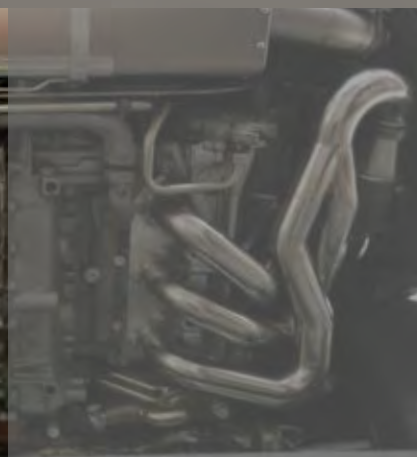
We are fully ISO 9001:2008 certified. Our ability to work with batch sizes from 1-offs to up to 300 car sets per year make us ideal prototyping and development partners for automotive OEMs. This is exemplified by our ability to supply specialist exhaust solutions for a variety of marques that include: Aston Martin, Audi, Jaguar, Land Rover, Mosler, Nissan, Porsche and Renault.

## Historic Racing & Rallying

BTB is the preferred supplier to some of the most prolific competition car collectors in the world. It is essential to these owners that only the best components are used in the preparation of their cars. It is a privilege to be entrusted with such important historical icons, and we believe it is our responsibility to ensure that the integrity of their provenance is maintained by continued success.

## Lightweight Technology

Building on our experience in producing titanium exhaust system for rally cars, which require lightweight and durable systems, we are frequently relied upon our expertise in this area for automotive projects. We can offer a variety of engineering solutions utilising exotic metals.



### More Than Just Exhausts

Our expertise and facilities coupled with flexible design and production methods mean we can assist in a large number of areas, such as:

- 3 axis CNC Tube bending
- 3D CAD modelling
- 3D measuring (on- and off-site)
- Chassis rails
- Cooling pipes
- Fuel fillers
- Heat shields
- Intake plenums
- Metal polishing
- Noise spectrum analysis
- On-site welding
- Pinstamp metal marking
- Pit equipment
- Power verification
- Reverse engineering
- Roll hoops
- Wet blast cleaning

“Many thanks for the side exhaust system you rushed through last week. Top job as usual.”

Steve Smith / Prodrive

“The quality of your workmanship is outstanding and the system is a testament to your engineering skills!”

Ian Elliot

“A big thank you for the 550 system – looks great, sounds great and the engine works better at low speed.”

Gordon Murray / Gordon Murray Design



#### BTB AT A GLANCE

##### Products

Exhaust manifolds  
Catalysts  
Silencers  
Tailpipes

##### Services

Noise testing  
Analysis  
Tube manipulation

##### Materials

Stainless steel  
Inconel  
Aluminium  
Titanium

##### Design

CAD using SolidWorks and ProEngineer. Import file types: IGES, Parasolid, STEP, etc.  
FARO Arm for reverse engineering and verification.

##### Delivery / Lead Times

Prototype from CAD to initial sample: 6-8 weeks  
Production from order to completion: 4-6 weeks  
Repeat orders can be called off as required  
Stock items are available for immediate despatch

Contact us today to learn how we can help you engineer the perfect exhaust system solution for your project:

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[www.btbexhausts.com](http://www.btbexhausts.com)