

COMPANY PROFILE: JENVEY DYNAMICS



WHO IS JENVEY DYNAMICS?

We check out one of the world's most successful performance engine intake companies, Jenvey Dynamics, to discover there's a lot more to individual throttle bodies than just a killer soundtrack...

Words: Sam Preston Photos: Sam Preston and Jenvey

The staff at internationally-renowned throttle body firm Jenvey Dynamics all have a story or two to tell. It's to be expected, really, as the company's owners are themselves a seriously race-obsessed family.

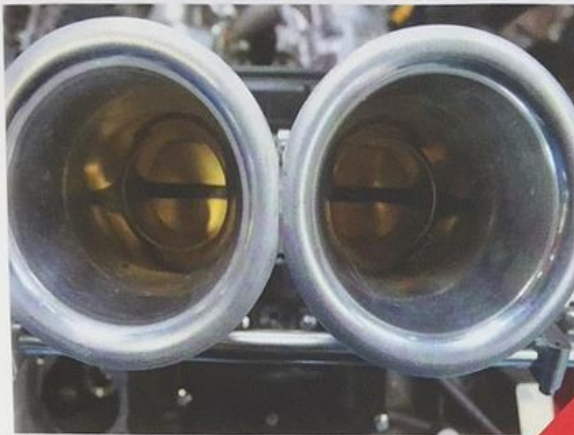
Take founder Richard, for example; he's a 1975 Modsports champion in his self-prepared Lotus Elan. His son Mike, current MD of the company, is a five-times champion in race series such as Formula Vee and Sports 2000 Duratec. Then there's sales manager Nigel Ricks who was a key figure in the ANWCC Tarmac Championship in 2004/2005. And let's not forget production manager Tom Austin who likes to take part in track days on his Honda CBR600. We could go on...

They say the best way to create the perfect product is to practice what you preach, and at Jenvey this notion rings true, helping to produce some of the most celebrated intake components in the world as a result.



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FROM WEBERS TO ITBs

Richard Jenvey created Jenvey Dynamics back in 1987 following a string of drivetrain consultancy work for manufacturers and race teams and after he had sold the previous family business.

The business started in the Jenvey family workshop (which is still used today) where Richard's continued drivetrain work alongside firms such as Westfield and Lumenition Optronic eventually resulted in version one of the legendary TB45 modular throttle body being created. This unit closely resembled Weber inlet manifolds, allowing customers to convert to the new-fangled fuel injection technology which

was exploding at the time. "It's been about throttle bodies ever since," Richard's son Mike tells us. He joined forces with his father in 2006 following a stint at Ford's calibration R&D department.

As Jenvey has grown it has been responsible for supplying throttle components for various applications including performance cars, motorbikes and other combustion-engined vehicles. It now stocks throttle solutions for the vast majority of engines produced in the last few decades, available as kits or modular units.



ONE-STOP SHOP

Go to any motorsport event in the world and you're likely to see at least one car equipped with a throttle component of some shape or form that started life in Jenvey's modest Shropshire headquarters, especially if it's normally aspirated and/or towards the front of the pack. But it really takes a trip to the aforementioned HQ to understand just why the name 'Jenvey' has become synonymous with reliability and performance gains over the years.

As sales manager Nigel shows us around, it soon becomes clear that this whole setup is much more than just putting a few pre-made parts together and shipping them out. 99% of the designing, casting, machining and assembly is undertaken in-house, thanks to Jenvey's fleet of seven highly specialist CNC machines,

creating everything from fuel rails to fastenings from a blank canvas.

Mike explains there are a number of benefits to this way of working. First, every aspect of the creation process can be closely controlled, with Jenvey's designers using Solidworks CAD software to instantly see first-hand what their creations look like in the flesh. Then there's the confidentiality aspect. With no parts being outsourced, everything can be contained under one roof until it's time to release it: ideal for motorsport. Finally, turnaround times are near enough non-existent. "Instead of ten-month lead times, we can normally get a custom product over to our customer by the end of that week," Mike modestly puts it.



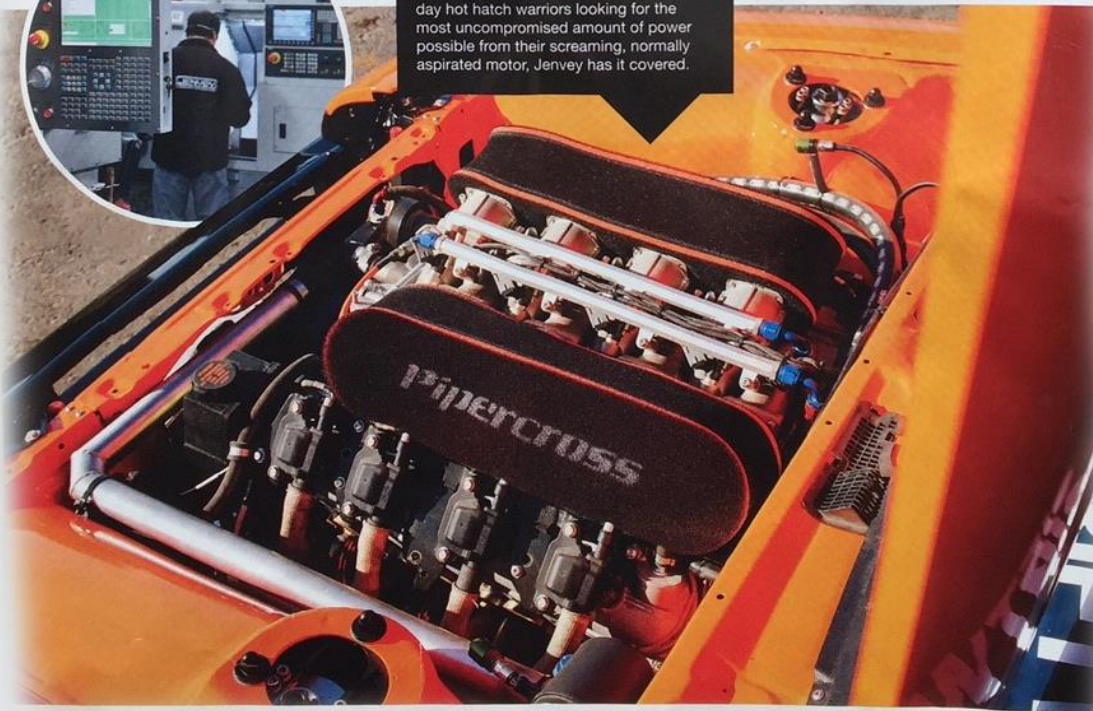
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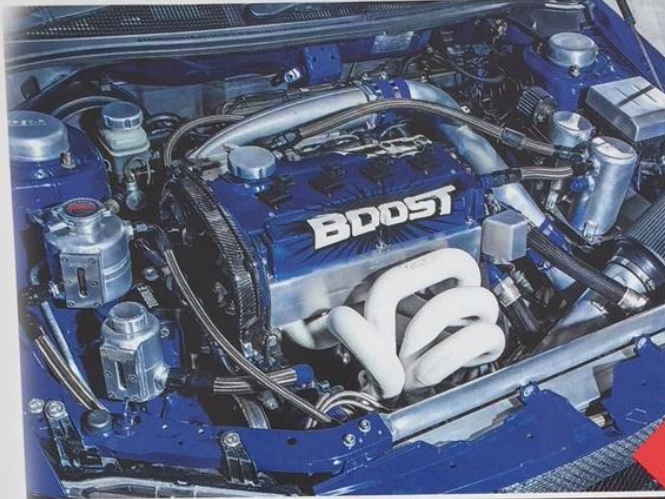


ON ROAD & TRACK

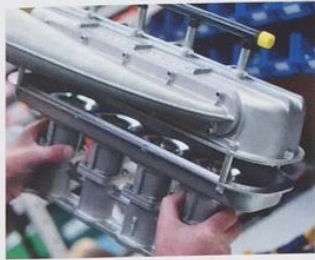
Like many British engineering companies, Jenvey acts as something of an 'unsung hero' to the motoring industry, offering OEM solutions to a large number of brands including Norton motorcycles and several sports car manufacturers.

When it comes to Japanese cars, though, sales manager Nigel tells us that it's the rallying scene where demand is greatest: "We get a lot of orders for rally drivers with Honda S2000-powered Mk2 Escorts. We also supplied Driftworks' ASCAR V8-powered AE86 Corolla with its famous cross-over individual throttle bodies (ITBs)." But it's not all about motorsport. Road car applications are popular, too. From the likes of classic Datsun owners looking for simple, reversible EFI conversions through to track day hot hatch warriors looking for the most uncompromised amount of power possible from their screaming, normally aspirated motor, Jenvey has it covered.





JENVEY



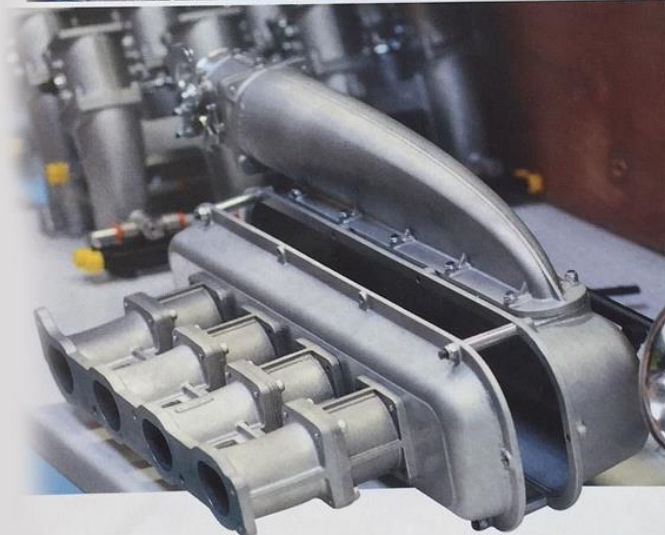
LOOKING AHEAD

With the turbocharged engine playing an increasingly important part in the world of modern cars, Mike is happy to report that Jenvey is already ahead of the curve with the development of throttle bodies for boosted engines.

Take a look back at the April '16 issue and you may have noticed that our cover car, Simon Jones' incredible Evo IX, was sporting one of Jenvey's new turbo ITB kits. By adding four individual bodies in between the inlet manifold and the plenum, the idea is to reduce lag by supplying each cylinder with boost as soon as the individual butterflies are opened.

The incorporation of another fairly new product from the firm – its electronic throttle actuator – means that ECU-controlled features such as custom torque maps, launch control and anti-lag can all be incorporated into the ITB kits now, too.

It's clear that the ethos of the whole Jenvey team is to constantly innovate to stay on top. "We like to think of it as our mission to help people win races," MD Mike says. No wonder they're they remain top of the pile for many as the go-to company for motorsport induction products.



DID YOU KNOW?

As well as creating its own throttle bodies, Jenvey also designs and manufactures its own fuel rails, curved spacers, adapters, plenums and valves. It also frequently undertakes fully custom applications.

CONTACT
www.jenvey.co.uk

