

.ADCOCK-SHIPLEY

We get technical with the Dagenham cause

THE GRAFTER: Dean Mahoney's been with CTM for the past 13 years and especially loves getting stuck into cylinder heads although will fettle anything that comes





engines Charlie had a rare Consul (the Granada version) fitted with a 2-litre V4. Undeterred by the baby V's reputation for being rough, feeble and juicy, Charlie bored it out and fitted a bigger carb for some extra poke. Sounds like just the bloke to trust your Ford engine with then.

"I'm a real engine man, and I love modifying cylinder heads, and what's more all the blokes who work here are good hands-on engineers." Charlie says. While not exclusively working on Ford engines, the blue oval's products are the most popular with the CTM team. Whether they're sidevalves, Kents, Pintos, Zetecs

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pleased to get working,

"The Pinto is still popular, although two years ago the number we were modifying dipped; now it's increasing again," Charlie says, What's more, a Pinto lump is quite capable of producing plenty of horsepower - CTM put together the 238 bhp unit fitted in Andy Harris' stonkingly quick Escort.

CTM's reputation for high-quality machining means the company is sending engines as far as Australia and the US. while regular orders also arrive from Ireland, Belgium and Germany,

array of engines in, including a Crossflow for an Escort van, a couple of Zetecs, a BDA and a four-wheel-drive Cossie lump. "Over the years we've secured lots of work through word-of-mouth. No job's too big or small - I've even fitted inserts to a 27-litre Merlin engine, so you could say I've seen it all." Charlie says.

He's keen for customers to have their engine balanced once all the work's been completed, otherwise, at some point across the power band, there's a risk of resonance. In addition, traditional milling and boring work is no problem for CTM.



Right: CTM's attention to detail is huge, making ure all the basics are right before they're built on







Left: Proper 'old-school' engineering techniques are employed from head work to engine assembly.



Charlie admits many so-called builders will merely order a shed-load of tuning parts to bolt on to an engine, but don't tear the whole thing down so that the basics are fully sorted.

Nick Tradini, the workshop manager, looks after cylinder head work alongside Charlie's son Dean and Barry Hisbott. Nick looks after cylinder porting, polishing and boring, and he's keen for the company's customers to get exactly the engine they want. "Many people these days say they can assemble an engine, but to do it properly takes time. What's more, we can happily keep busy with smaller jobs, such as removing studs," Nick says. Freelance fashpricator Jim Clinic (whose

name's on the CTM signs as James Motorsport), looks after all the fabrication work. "I handle fabrication and machining, as well as engine building, and I went freelance as I didn't want to work in a big company." Jim says.



Having worked at Ford and Ford-owner component company Visteon, Jim, who has a degree in mechanical engineering and is currently building a highly-potent Lotus 7 replica, is more at home making up plenums and heat shields. But which

engine does he currently rate as the best? "My favourite is the 16-valve Zetec, because it's strong and so simple," he savs.

Meanwhile Dean Mahoney, who's been working with his dad for 13 years now, likes getting stuck into cylinder head work, but he's keen to turn his hand to any work required. "We recently had a few Twin Cams in — we tend to get a sudden rush on with a particular engine type, where one arrives, and before you know it a load to the control of the control

Dean likes working on all Ford engines — apart from small-block V8s, which are a pain to port — and he rates the Pinto,

come in." he says.

the Zette, which is getting even more popular, can throw out up to 400 bp, "I like working on Pintos and Crossflowsit's the satisfaction of building a good cylinder head, and that satisfaction just tugs you along, tenjoy my work, and I'll fettle anything here: I like the positive feedback we get from our customers, and knowing that they're enjoying driving their cars," Dean says.

Both Dean and Nick like to meet potential customers, and find out what they expect from their engines. "All our engines are built to the customer's requirements — we don't keep any on the shelf. We like to find out just what they want, so that they don't have to come back a few months later wanting a further upgrade: it's best to get it right the first time," Nick says.

What's more, if you fancy putting a Vauxhall red top in your Ford, CTM can work on that too, and the company will also lighten flywheels. As Charlie says, no job's too big or too small for them to handle. So, with plenty of skill, knowledge and a passion for engine building, a trip to CTM might be the best way to give your Ford a proper performance poke.





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