

FTZ Performance - Micro Sprint Products

2009 is our 24th Year of Making You Faster!



Hello from the staff of FTZ Performance. Our line of products & services has changed some in recent years, but the idea is the same as it has been for 24 years: We aim to provide the best racing engines and race products available. We have the experi-

ence, the expertise, the equipment and we are willing to give that extra attention to detail. This is what separates our work from the other's.

There are a lot of good drivers out there with good cars making winning races harder to do than ever. Today you need an "edge" on the competition to pull away from the "pack". Of course you could run a stock motor, or use a more local builder, but there is good logic in having the fastest motor available in your car. It is a lot easier to catch, pass, and "break away" from other cars when you can pull them substantially down the straightaway! We often see this power advantage as a car length gain per straight. Now that makes it all a lot easier! Plus the fast guys know that a motor with a lot of torque will allow you to tighten the car up for a double speed benefit by also increasing corner speed.

Confidence in these motors is backed up with FTZ built R6's being used to win several of the most prestigious races of recent years, including Travis Senter's big repeat win of the I-30 600 Nationals last year (just as he did in 2006) and also winning several nights at the East Bay Florida series' and now twice winning Australia's big "Oval Express" series championship. Also there was Scott Sawyer's big win at the July 2007 Pike County Nationals (\$10k-to-win.). The fast guys from all over the nation were at these big races. Many other FTZ customers have had very successful seasons with our products, even in stock motor classes such as Trent Taylor winning the I-30 Nationals restrictor class and 17 other features!

Hot Stuff!

***FTZ 600 Micro Sprint Oil Cooler-**
Save your motor! Keep excessive oil temps down to keep from spinning rod bearings and destroying motors.

***FTZ Carburetor and Wiring Harness conversions for Injected motors-** Avoid that complicated mess! Plug & play power: Forget all that costly tuning and just go race!

Thinking about a new motor?

"There is nothing quite like brand new".

We have been building up a stock of built 600 motors but at times demand has been high. Ordering early will always help to get yours when needed. We can start on it with the receipt of a deposit and then you can pick it up at your convenience or when you are ready to finalize payment.

Yours or Ours?

You can ship in your used motor or we can supply you with one of ours. Please realize your motor may need gears, oil pump, new valves, guides to be built "right".

Easy to get it here: And easy to get it there:

We can eliminate any shipping hassles for you by arranging a truck pickup from our preferred freight line. Call us for details on shipping these engines the easy way.

What is so different about a FTZ 600 Motor?

Make no mistake, we are the 600cc Micro engine experts. Don't settle for less than the best.

Whether it is a fully modified "Outlaw" motor, "PA" type motor or one of the Stock class's motors, we feel like our 600 motor packages are in a class by themselves as far as making power and staying trouble free.

Most people don't realize all that we do to these motors, and the extent that we fuss over them during the portwork, valve work, and engine assembly. This combination of this old school hand work combined with high tech porting & horsepower tricks takes a lot more time, but this is the biggest reason why the motors pull so much harder, and hold up so well.

We think the FTZ built 600 motors are one of the biggest bargains in auto racing!

Especially considering all that is put into them. There are shops out there that will charge less- but they always seem to "do" much less. Don't fall into that "just as good" trap!

Call us and we can explain all the differences further.

Also you can rest assured that all our motors are built to the same specs, everybody gets the same quality work done here, as soon as something new is proven, then we offer it. Please remember that it takes some money to build one of these things to this level but the real *value* comes if it gives you that power edge, lasts a long time, and maintains a good resale value..

***Please feel free to call us to see how we can help with your race program.**



***FTZ 600 Exhaust Systems-** Proven the best bang for the buck-time and again- on dynos across the country.

*** New FTZ "Shorty" 600 Muffler-** More Power!

***Fuel Systems, Fuel pumps and Regulators-** that work!

***Ignition "Hot Boxes" and Timing rotors-** Designed to work together..for maximum rpm and maximum power.

Time to rebuild?

If you have more than 12-15 shows on your motor then you should send it to us to get "freshened up" before the next season begins. Or even less races if you don't want to be without the motor during the season. We tear it down, clean and de-carbon it by hand, carefully fit the rod & main bearings, rings, cam chain, valves, seals, hone the bores and do our expert valve job. Then it is painstakingly assembled, shimmed and set up to our specs. Don't trust anyone else to do this critical work. Our rates are very reasonable given all the extra time spent. Also don't forget to get the fuel system rebuilt; We recommend a thorough carb cleaning, new float needles, and a new fuel pump to help insure a totally trouble-free season.

***Our 8 man staff insures that we can offer the fastest turnaround time in the biz!**

New Micro Sprint Products for 2009

We are offering some new, trick developments for the 2009 season, probably the most exciting is our new **FTZ 600 Oil Cooler system**. We feel this is the biggest advance in 600cc Microsprint engine reliability ever! You have probably seen our post on

maximumdirt.com, or one of the other micro-sprint web sites on this topic. The big deal is our research shows that excessive oil temperature is the leading cause of 600 motors spinning bearings and throwing rods.



These coolers fit very easily in most cars: We simply put the cooler in the lower water hose from the radiator to the water pump. Stainless braided oil lines circulate the oil from the engine to and from the oil cooler through special made engine adapters. 100% of the cool water passes through this efficient cooler to dramatically drop engine oil temps. **The bottom line is:** How can you take care of your motor if you don't take care of the oil that protects it? If you let your oil overheat and it spins a bearing and throws a rod through the case, who then will you have to be mad at but yourself?

We think now that every micro-sprint, stock or modified needs this cooler! A true "must have".



Even in cool weather this will be a good addition as this intercooler will also warm up the oil much faster so you don't start the race with oil too thick to circulate well.

You can read about it this awesome new product in-depth on our new microsprint products page at www.ftzracing.com.

While on the subject of the importance of lubrication we have been continually seeking out the best oils to use and we have changed our oil recommendation recently. Give a call for the latest details.

FTZ R6 Clutch Hi-Torque Clutch upgrade-

We have determined that the '99-'05 R6 clutch setup is slipping a bit while on the track, even with racing clutch plates, HD springs and perfectly adjusted. This slippage both contaminates and super-heats the engine oil- neither of which you want to let happen. We now offer a modification where we machine the clutch parts to accept both extra fiber and steel plates eliminating the slippage. This setup works great and is considered another "must have". '99 to '05 model R6's only. We can ship these parts for you to install if you prefer.

The '99-'05 Yamaha R6 is still our preferred choice for the "Outlaw" class, or for anywhere they allow fully modified motors. We have made the biggest horsepower and widest powerband with this motor and reliability is very good. Our particular favorite is the "Silver" motors- We currently have several good "Silver" motors here, ready to build and sell, so you know who to call when you are ready for a new one! But don't wait until there all gone! as good ones are getting very hard to find.

Another excellent option for the "Stock" classes is the '06 to '08 Yamaha R6 equipped with our converted carburetors, our special '06-'08 R6 exhaust system, and our trick wiring harness mods to eliminate all the throttle by wire crap. This makes a bad-ass stock class motor, and a very competitive and low cost Pennsylvania rules motor.

New engine tricks: FTZ High Compression

Mods with Level-2 Portwork. This is a neat trick we came up with to get more power. Using the advantage of having our own in-house CNC equipment, we machine the piston domes allowing us to further raise compression producing more torque to pull you off the corner harder. This combined with our exclusive Level2 Porting & Head mods makes a standard bore motor pull like a big-bore! You won't see anything like this at your local "Mom & Pop" engine shop. This type and quality work is well beyond the capabilities of any other microsprint engine builders we know of.

After 24 years at the top of this game, we are not in it for second best. We can't imagine why you would be either. Racing takes a lot of time, work and dollars. Letting others have a power advantage over you makes no sense.

Our new upgraded Wiring Harness Conversions

for all models are working out great. Now totally plastic armor sheathed and shrink wrapped they will add a professional touch to your car and help eliminate any electrical problems on race day. The '06-'08 R6 harness work is very popular.



Another new item is a "Shorty" version of our FTZ 600 Muffler-

A little lighter, a little louder, a lot less likely to get ran over, and we have been told by independent dyno service shops that it consistently makes 3-4 more HP over the standard length muffler! We have these ceramic coated "Shorty" mufflers in stock for \$205.

Please give us a call with any questions on these new items. 573-334-5439 or see www.ftzracing.com for lots more!

Be sure to check out our web site: www.FTZRACING.com

Phone 573-334-5439 Fax 573-334-0900 email: Mail@ftzracing.com

Hours 9:00 to 6:00 Mon.- Fri. Central Time