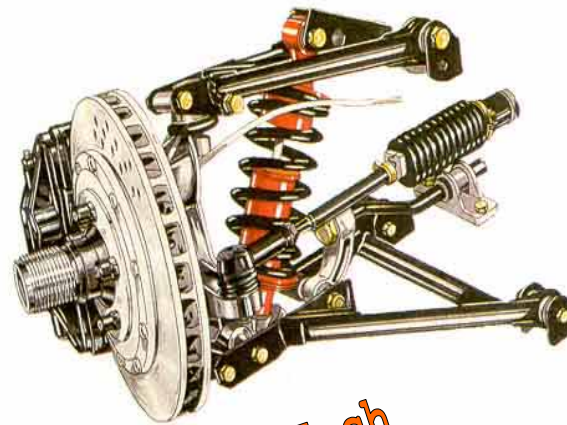


### ChassisTech by DTMPower

- Race Car Chassis Dynamics Analysis
- Race Car Kinematics Analysis
- Full 3D Suspension Simulation
- Damper Characteristics Predefined
- Digital Imaging Alignment System



**ChassisTech**  
Full 3D service £1850  
Budget 2D service £950

DTMPower offers a suspension dynamics assessment and design service called "ChassisTech".

By application of our innovative and dynamic engineering solutions we will increase the performance of your race car, whatever category it runs in. We can also deliver an unbeatable road car package of ride, handling and performance to match the way you drive.

This entails a full measure and survey of the vehicle's suspension system, a schematic 3D CAD drawing of the suspension is produced. This will show the front and rear roll centres, virtual swing axle lengths, scrub radii, and spring, damper, and anti-roll bar movement ratios, and amongst other things...

- dynamic weight distribution
- anti-roll bar roll resistances
- total roll resistance
- roll angle
- wheel frequencies and rates



Orchard Stables  
Burcot,  
Oxfordshire,  
OX14 3DQ, UK.  
+44 (0)1865 407726 ph  
+44 (0)7768 717702 mb  
www.dtmpower.com  
david@dtmpower.com



# ChassisTech...

simplifying  
suspension  
design

...get some grip!  
2 seconds per lap  
improvement.

engineering consulting  
track testing support  
race day support  
race engineering  
data logging analysis  
suspension system design

# Suspension solutions that work for your car.

HAVE A LOOK AT OUR WEBSITE FOR A LIST OF OUR MOTORSPORT SUCCESSES GOING BACK 25 YEARS.

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

## 2 seconds a lap improvement !

### ACROSS ALL CATEGORIES

- HISTORIC F1.
- GLOBAL ENDURANCE.
- SPORTS & GT.
- HISTORIC REPLICAS.
- SALOONS.

We always design our solution to suit your racecar category and the championship regulations as you require. Matching the specifications and characteristics of your racecar to your driver's skill and experience level. After that, a programme of driver coaching, and chassis development to match your skills gain can be implemented.

### HANDLING MANAGEMENT

From data collected it is possible to predict the handling characteristics of the vehicle, and then more importantly, make the necessary changes to the roll centres, virtual swing axle lengths, spring rates and anti-roll bar rates, etc. to optimise the handling..

### LAP TIME IMPROVEMENT

In the majority of cases we have a proven track record of substantial lap time improvement. We have helped clients from the back of the grid to the front in one development step. 2 seconds per lap improvement is our benchmark target.

### CUSTOM SOLUTIONS

Bespoke engineering, parts designed and manufactured to your demanding requirements.



### SUBCON SOLUTIONS

We have an array of subcontractors dedicated to working with us to provide;

- Laser Cutting
- Waterjet Cutting
- CNC precision machining
- TIG welding
- Gearcutting
- Pattern making and casting
- Electronics product design



### 3D CAD DESIGN SOLUTIONS

For the bigger projects the whole car can be 3D CAD modeled and all drawings linked back to the master drawing.



WE'VE WORKED WITH A DIVERSE CUSTOMER BASE. HOW CAN WE HELP YOU?

The photos here are just a small sample of our customers; all of them are going quicker now !