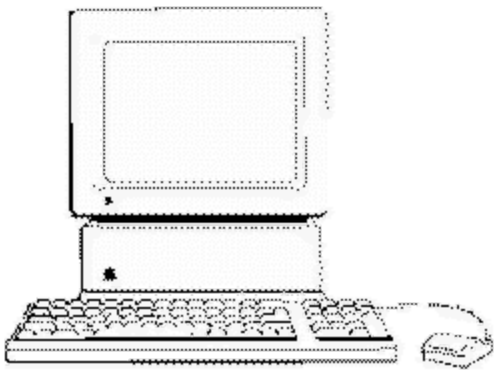
UPDATE AUDIE TECHNOLOGY

Why You Need a Computer

While some are amazed that we even need to address this issue, there are still many who don't own or use computers. They are not familiar with and don't understand them. Their fear of the unknown becomes an intimidating roadblock to adopting new tools.
Yes, I said "tools". The computer is just a tool. If we would think of them as tools we would all be better off. There has always been and always will be innovation. New and better tools will be developed. Most will adopt them, and the rest will be left behind. Yesterday's tools will not win tomorrow's races.
A good technician knows how to use the tools of his trade. Like any tool a computer can be used correctly or incorrectly. you can use a wrench to pound a nail but a hammer works better. You can use an open end wrench to tighten a lug nut, but an air wrench works better. You can use a degree wheel and dial indicator to profile a cam lobe, but Cam Pro Plus works better. You can use trial and error to design a new engine combination, but Dynomation works better.

What Good is A Computer?



1. **Computers save time.**

   Flow testing with Flow Pro sensors is three times faster then testing without them. Data analysis is multiple times faster then that. Since analysis without a computer requires a calculator, graph paper, and LOTS OF TIME it usually never gets done. With Flow Pro you get the full benefit from your testing.
   Have you ever tried to measure a cam lobe profile with a degree wheel and dial indicator? It is a slow, tedious process with limited accuracy. When you are done you will have no desire to spend time graphing the results or calculating the velocities and accelerations. A computer can do all of this in a minute.

2. **Computers save money**

   Mistakes cost. Time costs. Trial and error costs. Broken parts cost. Computers can provide answers that dramatically shorten the trial and error process of development. Valve Pro can tell you if a different cam or a change in cam timing will require more valve relief. Dynomation can greatly reduce the number of combinations that you need to try when optimizing a new engine combination.

3. **Computers increase understanding**

   Computers do not think, but by quickly processing data and presenting it easily understood forms, they enable us to see the larger picture beyond the data. Valve Pro's valve train diagrams let you see what you can't see (without Superman's x-ray vision) in a real engine. Dynomation's pressure graphs let you see what happens to the pressure waves in the ports at various engine speeds and with different engine combinations.

4. **Computers can organize information**

   A computer will not by itself organize data any more then owning a file cabinet will organize paper. However, like the file cabinet it can provide the ability to organize the data. Key to organizing is the ability to add your own notes to the data, and the ability to create a storage scheme that makes sense for the particular kind of data you are working with. All Audie Technology programs do both.

5. **Computers can print your data in attractive graphs and reports.**

Don't overlook the value of these for sales and for customer relations.

Low Lift Exhaust Flow

We've recently had calls from several Dynomation users who were getting poor results. This turned out to be a case of GIGO (Garbage In - Garbage Out). The problem was the exhaust port flow inputs. If you want accurate results from Dynomation be sure to measure exhaust air flow at low lifts. Many people start their testing at 0.200 inches. They should start at 0.050 or even 0.020. When you think about it this makes sense since most blow-down happens at low lifts. Taking this one step further, you might need to pay more attention to the low lift flow of your exhaust ports. It's surprising what you can learn from using an engine simulation program.

Used Flow Benches

We get a few calls from people looking for a used flow bench. If you have one to sell, let us know and we will pass the information along.

DeskJet Printer Drivers

We now have printer drivers in Cam Pro Plus, Flow Pro, and Valve Pro for HP DeskJet printers. Please Contact us if you need these.

America vs. the World

Here's a mystery. Can anyone tell me why I sell so much equipment outside North America? While I don't have the stats to back it up, I think that there is more racing here than anywhere else. It's not that the rest of the world can't do it, nor is it that they don't want to race. It's just that we have more of the prosperity ($$), freedom (less governmental regulations), and industry (pars manufacturers) that it takes to go racing. So I wonder, "why do I sell so much equipment to the rest of the world?"