

C
COMPUTER

A
AIDED

T
TEST

S
SUITE

Vibration Control and Analysis



BalanceTool

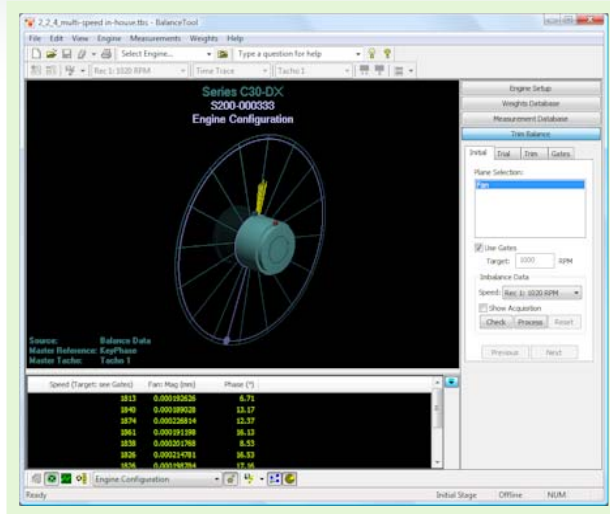
Single Shot Engine Balancing



S P E C T R A L
D Y N A M I C S

BalanceTool™ can analyze and learn the characteristics of each engine type it encounters.

At the click of a button it can suggest the **optimum distribution** of available weights to allow the engine to perform at its best.



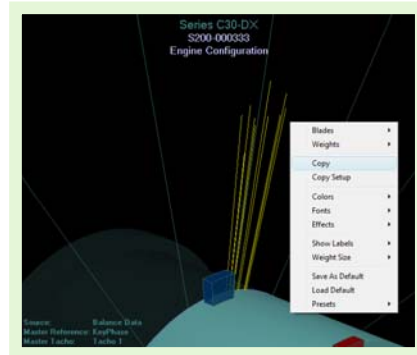
Real-Time or Post Analysis

Whether you want to balance right away or use data from an engine survey, it's your choice. BalanceTool™ can be run alone or integrated with our **Puma/Cougar Analyzer**. Using the latest communications protocols it can also connect to our Rotating Machinery Analysis package anywhere on a network.

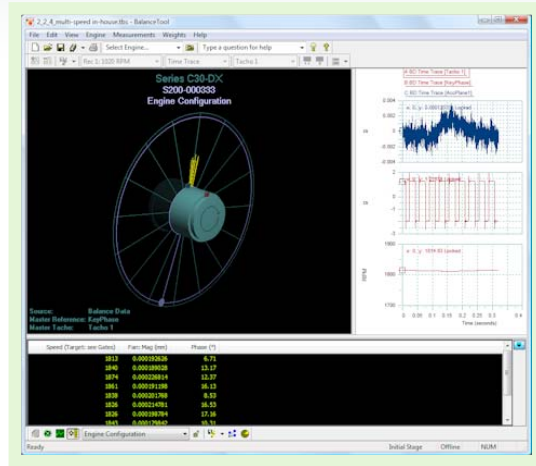


Intuitive Interaction

BalanceTool™ is a modern Windows application using all the best practises regarding layout and useability. Familiar menu layouts, 'Copy and Paste', 'Drag and Drop' are all features that will make training short and simple.

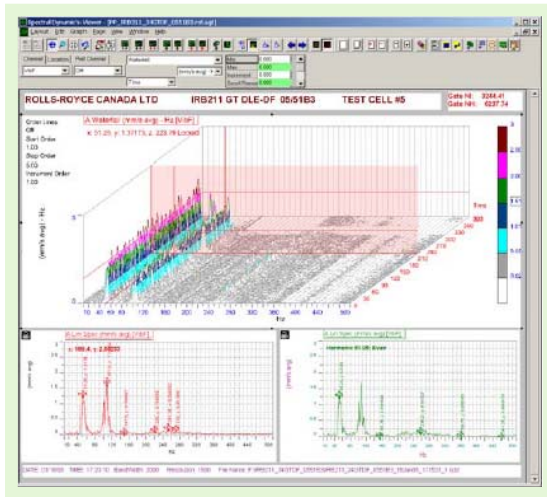


balancing means you can get the job done quicker than ever. BalanceTool™ comes fully integrated keeping setup and acquisition as simple as possible. Starting with 4 input channels and 1 tachometer, Puma is a **modular system** which means it can be expanded alongside your needs.



Rotating Machinery Analysis

Our rotating machinery package offers **unsurpassed acquisition** and analysis for variable speed measurement systems. It has the capability of analyzing rotor speeds of up to 100,000RPM at 60 pulses per revolution. With extensive **real-time displays**, data from up to 128 input channels and 4 tachometers can be simultaneously processed (fixed or tracked sampling) and streamed to disk.



One touch of a button in BalanceTool™ and you can access this power anywhere on your network, linking it to real-time data for both display and analysis.

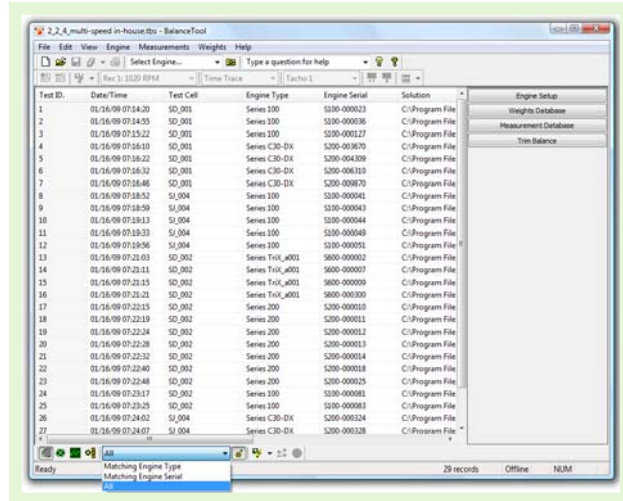
ActiveX Automation

ActiveX Automation lets your applications take control of BalanceTool™ and automate key functionality such as loading certain documents. This means BalanceTool™ can be made to



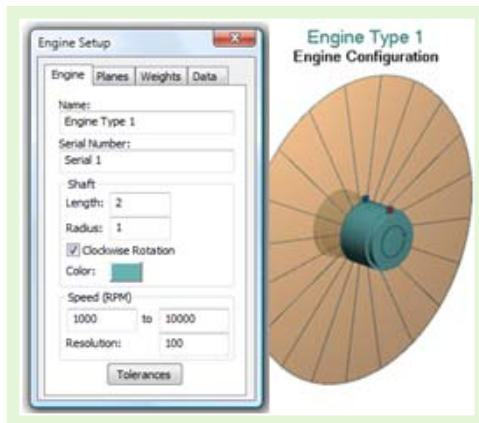
relevant information regarding a test into an ODBC compliant database such as **Microsoft Access™**. With the ability to organize **thousands of tests** and the tools needed to view just those of interest, you'll never be searching for lost files again.

BalanceTool™ can simplify things even further by automatically naming and relocating files in a clear and concise manner, prior to adding to the database.



Engine Database

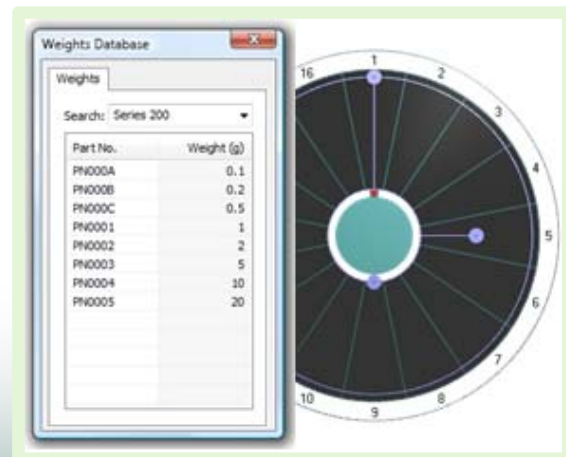
Once the parameters for an engine type have been entered, adding to the database allows for easy recall. It also allows the software to continuously **learn its characteristics**, therefore improving its ability to balance.



Weights Database

Weights are added into a database with information such as part number and mass, they are then tagged to one or more engine types.

From there BalanceTool™ does the rest,



Technical Specifications

System Requirements

These requirements are a guideline only, the BalanceTool™ application may run on a computer with a lower specification; however it may effect your experience.

Computer/Processor	2 GHz Pentium 4
Operating System	Windows Vista Ultimate, Windows XP (SP3)
Memory	2GB
Video Card	OpenGL compatible with at least 128MB RAM
Analyzer	4 Channel Puma or Cougar Analyzer with Rotating Machinery

For Windows Vista users:

- Windows Experience Index: Base Index 5.0

