VECTOR

Major Enhancements Lead to Customer Satisfaction

Figure 1: OPERA-3d Modeller with intuitive interface
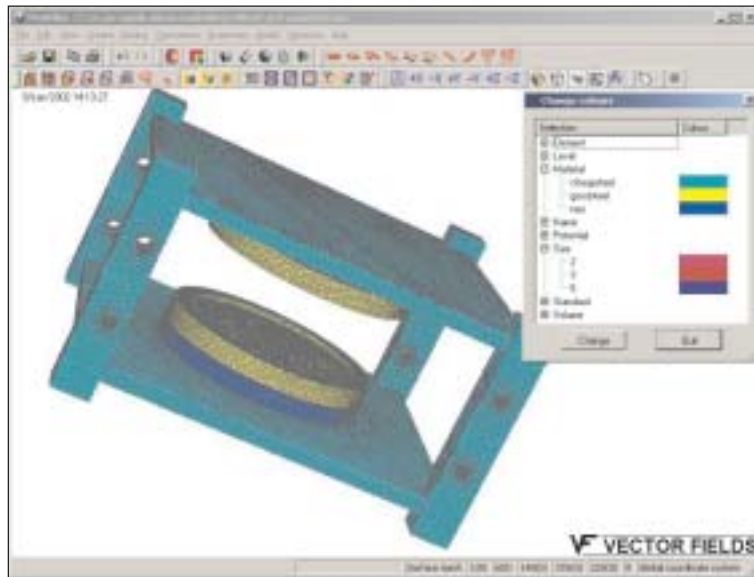
Following last years successful introduction of version 8, the OPERA software continues on its path of constant improvement with version 8.5. This new version has already been distributed to existing supported customers who have registered a high level of satisfaction with the package.

The major improvement has been to the OPERA-3d post processor which now has the same style of 'windows' like interface as the OPERA-3d modeller introduced with version 8.0. This is an icon based interface and gives a similar look and feel with both Microsoft Windows and UNIX. The versatility of the post processor has always been its strong point but now the new user interface together with a number of new facilities makes visualisation and display of analysis results even move comprehensive.

OPERA-2d has a new module for Linear Motion. This new module, **OPERA-2d/LM** includes the effects of motion in a transient eddy current solver. This is particularly useful for the design of solenoid valves, and linear actuators.

Other improvements include blend and chamfer facilities in the OPERA-3d Modeller and automatic potential cuts in TOSCA (more details on page 2).

CONCERTO, the package for microwave analysis, has also been considerably improved in Version 3. This includes a new 3D modelling capability based on the existing versatile OPERA-3D Modeller. In addition the parameterised facility based on User Defined Objects (UDO's) is enhanced. An extensive library containing a few hundred UDO's enables users to rapidly create complex structures in a similar way to the 'Lego' construction toy. The meshing capabilities of CONCERTO have also been enhanced to handle complex UDO's.

S-parameter extraction has a new extended mode to provide full information about absolute values as well as phase angles of propagation constants and reference impedances at each port. This new version with a number of other new features will be available in Quarter 2 of 2002 (more details on page 6).

The new releases of the OPERA and CONCERTO software have been the result of increased resources applied to the development of these products by the expanded development team.

Now with class leading user interfaces combined with the already fast and accurate analysis modules, Vector Fields customer's are able to test and optimise their designs faster with confidence. This enables them to rapidly produce more innovative designs in a competitive world.