With Chem3D Pro, the versatile desktop modeling and visualization standard, you will gain insight into molecular behavior by visualizing models using real-time animation and by performing energy and molecular dynamic calculations which further explain the geometrical and stereochemical subtlety of molecules. Chem3D will enable you to build molecular models with any element, convert chemical formulas into 3D models, convert 2D structures into 3D models and more.

The Chem3D package includes such features as molecular models of over 5000 atoms, real time rotation and animation, models types such as ball & stick, space filling (CPK), cylindrical bonds and wire frame. Other features include displaying bond lengths, bond angles, torsional angles and inter-atomic distances, MM2 energy minimization, molecular dynamics and full color capability.

**Molecular Modeling**
- Build molecular models with any element
- Convert 2D structures into 3D models
- Convert chemical formulas into 3D models
- User-definable substructure

**Analysis Features**
- Structural error minimization for all atoms
- Display bond lengths and torsional angles
- Dock ligand and substrate molecules
- Overlay molecules for comparison

**3-Dimensional Visualization**
- View molecular models of over 5000 atoms
- Real-time rotation an animation
  **Model Types:** space filling (CPK) cylindrical bonds, ball & stick, and wire frame
  **Display Options:** patterning by element and by depth; single-point light source color shading
  Create Quick Time Movies
  Postscript or QuickDraw output

**Desktop Integration**
- Inside ChemOffice draw, ChemDraw structures which are automatically converted to Chem3D models via ChemFinder
- Instantly edit graphics in Microsoft Word
- Supports high-level interapplication communication with Excel, JMP and CAChe
- Transfer pictures of models to any software which accepts EPS or PICT graphics

**Information Integration**
- Brookhaven Protein Database
- Cambridge Structural Database
- Biosym files via Brookhaven files
- MacroModel and OPAC formats
- EPS and PICT file formats

**Additional Features**
- Chemical Abstracts via SMD files
- MACCS via MDL MOLFIE
- Beilstein ROSDAL export-only
- CAChe Scientific
- MSI MOLFIE
- Tripos SYBYL MOL and MOL2 File

**Minimum System Requirements**
- Mac: 2 Meg Ram System 6 & 7
- Windows: 486 CPU, 8 MB RAM

**To Order (Specify Model Number)**

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<tr>
<th>Model Number</th>
<th>Price</th>
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<tbody>
<tr>
<td>SWD-CH3DP</td>
<td>$795</td>
<td>Chem3D Pro molecular modeling software for Macintosh computers</td>
</tr>
<tr>
<td>SWD-CH3DP-WIN</td>
<td>795</td>
<td>Chem3D Pro molecular modeling software for Microsoft Windows</td>
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</tbody>
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**Ordering Example:** SWD-CH3DP - Chem3D Pro molecular modeling and analysis software for Macintosh, $795
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- **Temperature**

- **Flow and Level**
  Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

- **pH and Conductivity**
  Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

- **Data Acquisition**

- **Pressure, Strain and Force**
  Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

- **Heaters**

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