



## About the Client:

The Client is a leading Australian company dealing in Optical Disc Storage devices.

## Client Requirements:

The Client wanted Robosoft to port an existing product from Windows to Mac. The product is used to improve the efficiency and ease with which business and home users manage their ever-growing CD and DVD Libraries.

The following were the requirements of the Client:

1. To maintain the information of units as well as the discs stored in the units, in a database in a secure and efficient way, and provide search option for CDs/ DVDs
2. To display the list of units/ CDs/ content of the CD in list or iconic view
3. To create new discs in the database and store the content of the CD/ DVDs in the database

## Solutions Provided by Robosoft:

Robosoft developed the Optical Disc Management Software on Mac OS 10.2 x and 10.3 x. This software runs on Mac environment and working in a similar way to Mac Finder. This product was localized to eleven different languages, namely, English, Dutch, French, German, Italian, Japanese, Korean, Portuguese, Spanish, Simplified and Traditional Chinese.

The components that were bundled with the application were:

1. Optical Disc Tracker
2. Optical Disc Control
3. Maintenance Wizard
4. Disc Holder Update Wizard
5. HID Device driver to communicate between the software and the device
6. Installer

The main features included the following:

1. The Optical disc tracker allows the user to browse through the units/ discs/ files/ folders of discs stored in the database. When the application is launched, the main window shows all the units stored currently in the database.
2. It provides an application-wide menu bar, which can handle all the operations with respect to views, connected devices and windows
3. User can view and change the properties like name, type of the disc, to whom it is provided, and associated image of any disc stored in the database
4. Optical Disc Tracker comes with a password protection system that enables user to control access to *Disc holder* units
5. Whenever disc is inserted into the *Disc holder* unit, Optical Disc Tracker enables user to store the disc information in the database either by creating a new disc in the database, or by associating an already existing disc in the *Ejected Discs* folder with the inserted disc. Discs can be stored or ejected only when the *Disc holder* unit is active.
6. Optical Disc Tracker provides user to read and store the contents of a CD/ DVD in the database
7. Search Engine is one of the main functionalities provided by Optical Disc Tracker. One can search for disc/ folder/ file of disc, based on disc title, content and comments criteria. Once a file/ folder/ disc is located, user can eject the disc containing required content and then insert that disc into the computer drive.
8. Optical Disc Tracker's software and database settings can be customized by editing Optical Disc Tracker *Preferences*
9. Getting audio tracks' information of an audio CD is one among the important features supported by Optical Disc Tracker.



Optical Disc *Installer* installs the *application* along with the utilities in the *Applications* folder of the current system and installs required libraries, plug-ins and preferences in the appropriate locations.

### **Environment Used:**

1. **Development Environment** CodeWarrior 8.0, Xcode1.5
2. **Tools and technologies** PowerPlant, Carbon, CodeBase, Project Builder version 2.0.1, CarbonLib 1.6, I/ O Kit Framework
3. **Platform supported** Macintosh Power PC G4 Processor with 256 MB Installed RAM and 1GB Free Disk space
4. **Duration of the Project** 6 Months