

2004 Frost & Sullivan Award for Technology Leadership

Matrix Science

Award Description

The Frost & Sullivan Award for Technology Leadership is bestowed each year upon the company that has demonstrated excellence in technology leadership within their industry. The recipient company has demonstrated technology leadership by excelling in all stages of the technology life cycle-incubation, adaptation, take-up and maturity-to ensure a continuous flow of improvements. By innovating leading-edge concepts the company has pioneered client applications.

Research Methodology

To choose the recipient of this award, the analyst team tracks all emerging technologies and ongoing research and development projects within the industry. This process includes interviews with all

the market participants and extensive secondary and technology research. The technologies and research projects are then compared according to customer base demands. Also considered are elements such as feasibility of product launch, likelihood of customer acceptance and acceptance rates, and estimated time to market. Competitors are then compared and ranked for relative position. The company chosen to receive the award received the number one industry ranking.

Measurement Criteria

In addition to the methodology described above, there are specific criteria used in determining the final ranking of competitors in this industry. The recipient of this award has excelled based on one or more of the following criteria:

- Significance of the technology in the industry
- Number of competitors having similar industry technology (competitive factor)
- The technology refinement process meets changing end-user needs (addresses research and development efforts by vendors)
- Value-added technology and services to the customers
- Adoption rate by each of the industry participants (denotes responsiveness of the vendors)
- New product innovation
- Time to market



Frost & Sullivan presents the 2003 Technology Leadership Award in the Proteome Informatics Market to Matrix Science. The company offers the Mascot product line, Mascot search engine, and other additional services. These widely used tools are the gold standard for the searching of databases with mass spectrometric data, which is currently a technically challenging task in proteomics. This process is central to the traditional proteomics approaches and Matrix is positioned as a key leader in this market segment.

Matrix Science provides the Mascot search algorithm both through its web search interface and by licensing the Mascot product line. The company's technology incorporates proprietary algorithms that give the company a unique position. The products are resold by several of the leading MS instrument vendors such as Applied Biosystems / MDS Sciex, Bruker, and Kratos / Shimadzu. Other vendors such as Agilent, Micromass / Waters, and Thermo have made their data compatible with Mascot.

Matrix offers different versions of the Mascot product, as well as consulting and other services, which enable the end-user to derive the most value. Additional modules include Mascot Cluster, Mascot Daemon, Mascot Distiller, and Mascot Parser. Varying degrees of automation can be achieved by combining the necessary components. Through its proprietary innovations, its range of products and services, and its strong relations with other vendors, Matrix has merited the Technology Leadership Award.

