

CASEMaker[®]

DBMaker Case Study

Customer: Ying-Hsiang Technology

System: Computerized Seal Management System

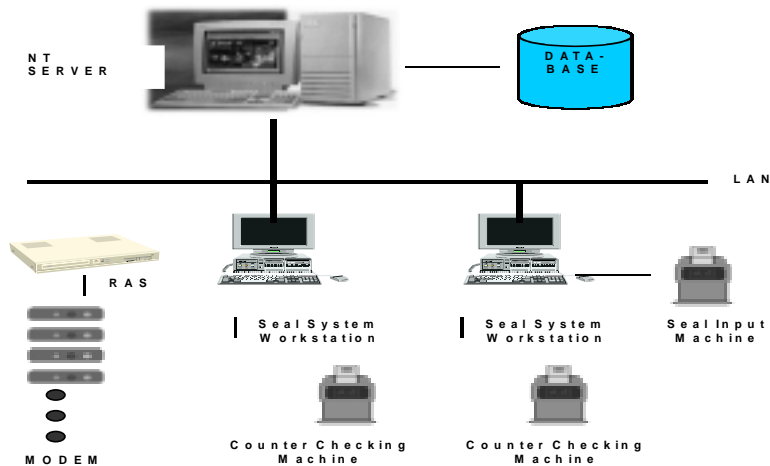
System Purpose

Ying-Hsiang Technology developed the “Computerized Seal Management System” for financial units, in which the multimedia process and built-in full-text search capabilities of DBMaker were crucial. This system provides the following major functions:

- The operation control software—This system has been adopted by many banks, such as Central Bank, Taiwan Bank, Cooperative Bank, First Bank, ChangHwa Bank, Taiwan Business Bank, Central Trust Bureau, Traffic Bank, HwaHsing Commercial Bank and so on. It can fully meet their business requirements and avoid manual mistake and irregularities.
- The collation technique—This system supports the most complete collation technique in the current market, including visual collation, bent angle collation, disfigured image collation, transparency collation, left and right oblique angle collation horizontal collation, vertical collation, etc. It provides the most perfect collation method to users.
- Double-byte support—This system supports double-byte with interactive operation design. It is easy to learn and easy to use.
- Full-color input and output—It supports full color for input, output and all manner of collation to avoid mistakes caused by the color confusion of black and white only.
- Immediate warning message—For notice of missing seal, this system can quickly show the warning message of missing date and time immediately to avoid false claims.
- Fast query collation—To reduce process time and enhance service quality by simply keying in the account number or reading the passbook with a machine allow the seal to be collated, instead of fetching the paper document of the seal manually.

System Architecture

Hardware: Pentium PC



Software:

Item	Name
Database Server Operation System (Server OS)	Windows NT 4.0
Workstation Operation System (Client OS)	Windows 95/98
Network Server Operation System	Windows NT 4.0
Database Management System (DBMS)	DBMaker 3.0

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Development Tool & Period

Development tool: Delphi, C
Development period: 40 man/month

Data Volume

30,000 – 40,000 records

On-line Date

June 1998 (Yang-Ming Commercial Bank)

Benefits

- Ability to avoid irregularities
- Able to reach the goal of full-task tellers
- Increase daily transaction volume to 720 records and decrease annual manpower cost about NT\$ 900 thousand (NT\$ 4.5 million per five years)
- Each branch bank can store and manage seal information by itself

Comparative Analysis

Comparison Item	Computerized Operation	Manual Operation
Checking time/transaction	10"	1'40"
Related information checking/transaction	1'20"	1'20"
Average time/transaction	1'30"	3'
Hourly transaction/user	40 records	20 records
Daily (5 hours) transaction/user	200 records	100 records
User needed for daily total 720 records	3.6 users needed	7 users needed
Daily transaction/ 7 users/branch	1,400 records	720 records

Item	Computerized	Manual Operation	Benefit
User needed for total daily 720 records	4 users	7 users	Save 3 users
Salary needed (man/month salary: NT\$ 25,000)	NT\$ 100,000	NT\$ 175,000	Save NT\$ 75,000
Annual total salary required	NT\$ 1.20 million	NT\$ 2.1 million	Save NT\$ 0.9 million
Five-year total salary required	NT\$ 6 million	NT\$ 10.5 million	Save 4.5 million