**The application of handheld terminal in food quality traceability system**

As the changes of business environment in information times, it is necessary to build the product tracing system for each company. The companies are facing of the comprehensive traceability in national food industry and the trend of information upgrading in the manufacturing industry.

**The theory of food quality traceability**

With the technology of internet, cloud computing, big data and LBS information, the handheld terminals could implement the function of collection, communication and usage. Companies could trace all processes of food, such as source, tracking, responsibility and so on, with the technology of handheld terminals. With the usage of handheld terminals, we can get the food produced environment information, logistics and consumption information.

**The necessary of building food quality traceability**

As more and more strict rules for food tradings, food industry companies need to build the quality traceability based on the information technology. Then, handheld terminals play an important role in the food industry. Hand terminals could implement all functions to meet the requirements of food market.

**The role of quality traceability**

With the handheld terminals, companies could build the food quality traceability system. The system could play an important role in the development of company. Firstly, with the system, company could do the trading of food. Secondly, it is much convenient for company to manage the food, which could reduce the risk of management. Thirdly, it is helpful to build the brand of company, and keep the company with competitive advantages.

Handheld terminals are very important part of quality traceability system. Company can get the producing, warehousing, shipping and sales information much easily with the collection, consolidation and transmission of handheld terminals. In the future, handheld terminals will play more and more important role in manufacturing industry, which could improve the competitive advantages of companies.