



GRUPPO ICT

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ProTrack

Traceability system for ham factories

ProTrack is a specific software for ham factories traceability. Users can:

- ✓ *get full, synthetic and detailed documents of the whole food farming process from animals arrival up to the their sale and shipment, covering all working phases;*
- ✓ *display the current warehouse status in brief or detail for location and quantities;*
- ✓ *have the full control on production, displaying locations and products manufactures in order to back-trace later on all product movements in the factory.*

Data recorded in the central system allow the company to trace and back-trace in brief or in detail all manufactured products. From every lot users can go back to manufactures done, cells and environments where the product has been worked and seasoned, up to the times of stay in every environment and its weight loss. Considering the traceability code, assigned at the time of product shipment, users can go back to the complete product history displaying manufactures done on products and visited environments, going back to lot and route.

The system offers updated, synthetic and detailed warehouse inventories at any time.

Users can display the current warehouse status through inventories for lot, environment, category, quantities or location.

Protrack scalar software technology, based on modules, makes it suitable to the needs of both small than bigger companies. The software can be tailored to the needs and customer availabilities, with the possibility of future developments.

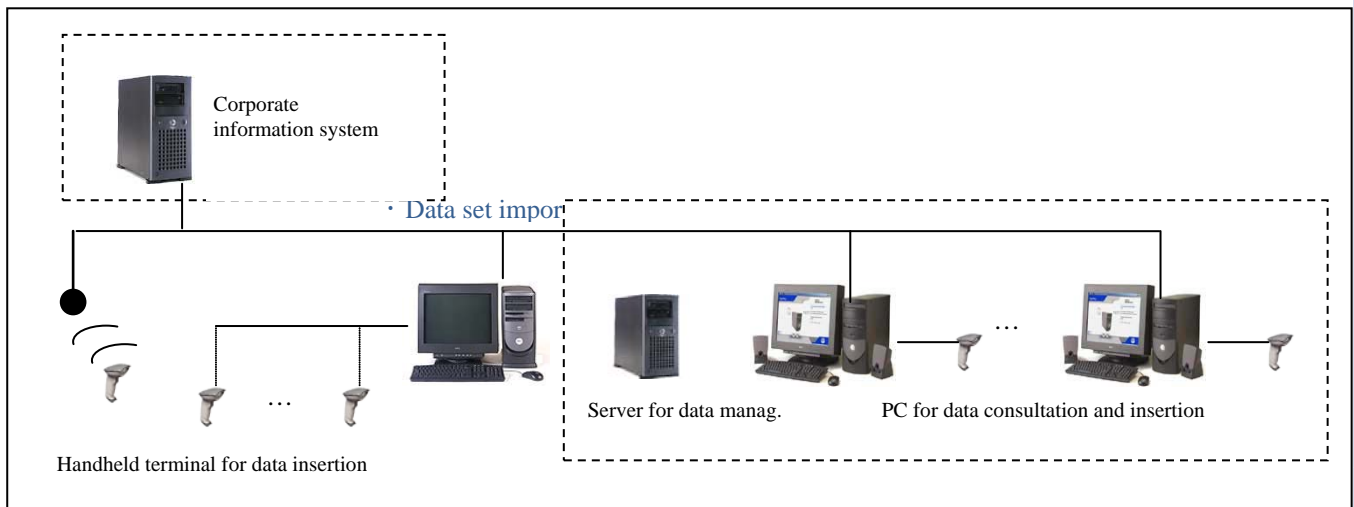
Each company can start with a simple software architecture composed by a single Personal Computer up to more complex solutions, based on a network of Personal Computers and a server for data management. Customers can define and customize software functions, choosing the suitable modules for their needs.

Data acquisition is completely automatic, it is integrated in the production and it does not affect productivity.

Information about working phases and products location have not to be manually inserted by users but they are automatically recorded by handheld terminals provided to users or otherwise they can be recorded by automatic reading systems.

The whole architecture creates an **integrated data management system** which is:

- ❑ a tool that helps companies to reduce risks, monitoring production and locating manufactured products and points of intervention in case of problems,
- ❑ a tool to get competitive advantages reaching conformity requirements needed for quality certification and production rationalization.



Picture 1: traceability system functional diagram

PRODUCT SPECIFICATIONS

Purpose:	Central acquisition and processing of production data back-tracing products and their stay in the factory both in brief for lot than in detail for the single support.
Architecture:	<ul style="list-style-type: none"> ❖ Data management system based on Microsoft SQL Server 2000 or Microsoft Access, according to customers needs; ❖ PC for supervision with Windows 95, Windows 98, Windows NT, Windows 2000 or Windows XP operating system according to customers needs; ❖ Network connection to the corporate information system (optional); ❖ PC for consultation (optional) connected using the Ethernet Lan to the PC for supervision; ❖ peripheral devices for data acquisition (barcode or tag readers).
Performances:	<ul style="list-style-type: none"> ❖ Inquiries and printings for products traceability management; ❖ Warehouse inventories in bried and/or in detail for lot, environments, categories, periods; ❖ Lot cards and cards for weight loss; ❖ Data sets management; ❖ possible connection to sorting machines at the reception in order to record automatically loading data; ❖ Possibility of recording production trends through a connection with production orders. ❖ Graphic display and printing of detailed reports and statistics.
Functional modules:	<ul style="list-style-type: none"> ❖ Module for data importation and exportation to the corporate information system (data set and production orders importation, production data exportation and so on); ❖ Module for the link to selection lines to get automatically data during goods inward; ❖ Module for the link to loading/unloading machines for data acquisition; ❖ Job orders and production orders management module; ❖ Shipping management module; ❖ Plant synoptic; ❖ Statistics management module



Production management work-flow

