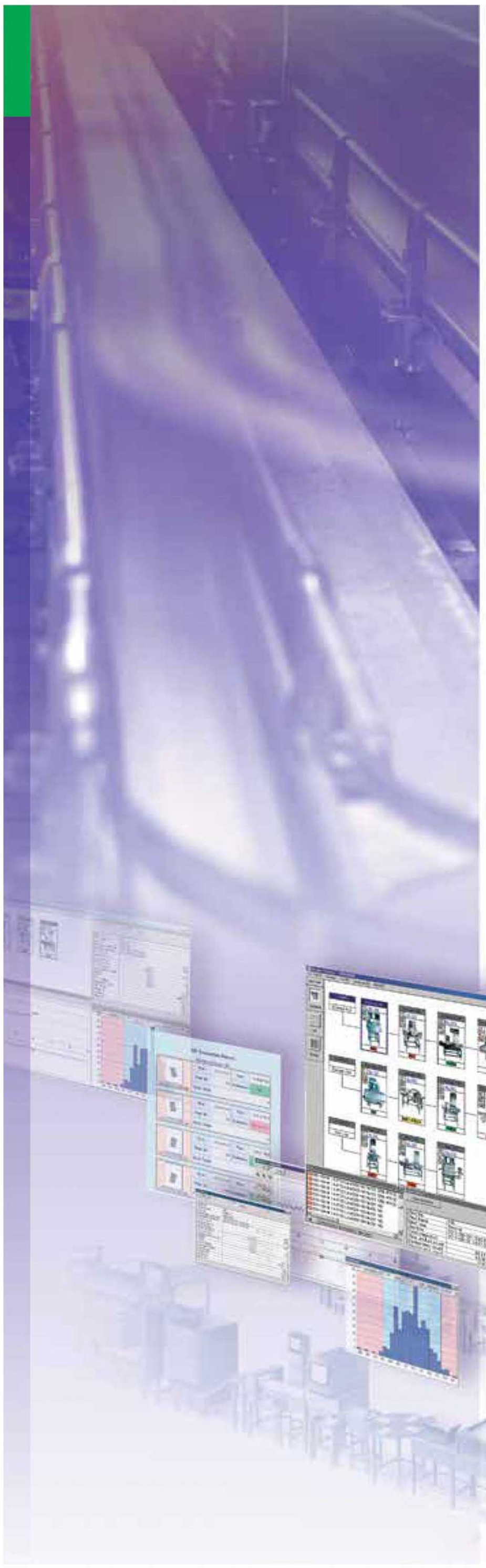


Anritsu

Real Time Line Monitoring,
Complete Product Traceability and HACCP Compliance —

Discover What's Possible in terms of Quality Control

**Overall quality management and control system**

# QuiCCA

**KX9002 SERIES**

Barcode tracking  Video monitoring

LÁCTEOS Y QUESOS

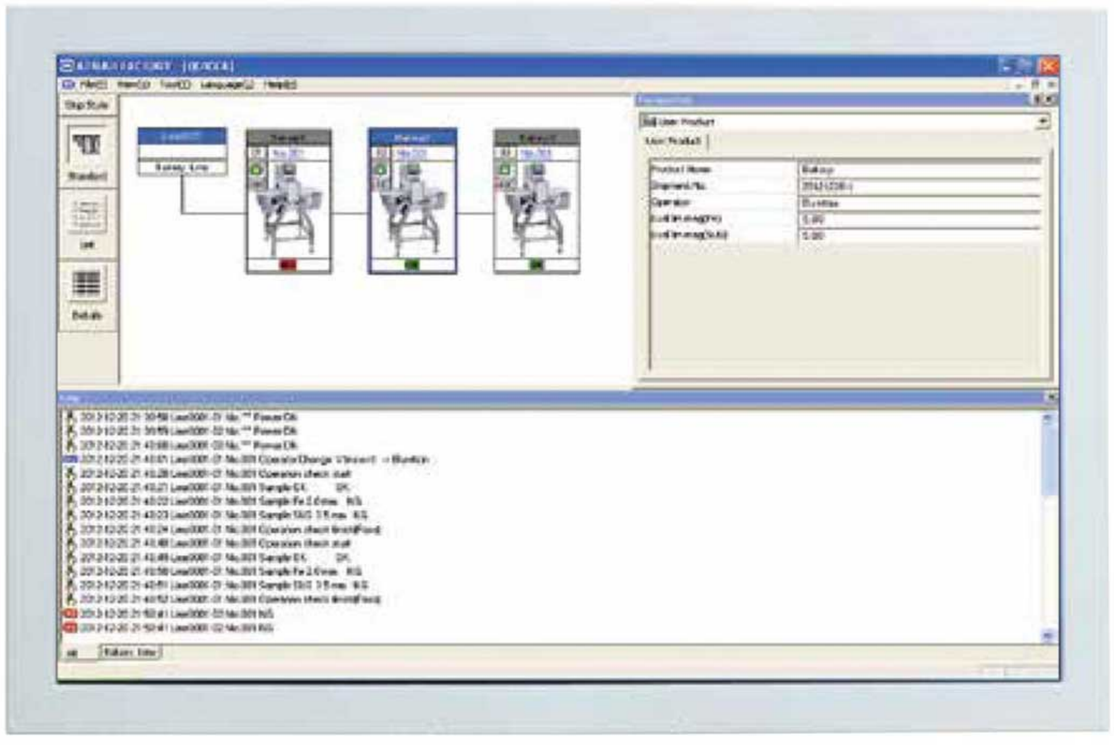



# HACCP Compliance

Simplify CCP monitoring and compliance reporting



*HACCP ready!*



- Create CCP monitoring report
- Provide product inspection report
- Minimize the potential for human error
- Record operator ID to each event
- Quickly search inspection data via production date, shipment number or lot number

Delivered by KX9002D and KX9002T

## Daily operation checks become more reliable

CCP compliance requires verifying the operation of the inspection equipment on a regular basis. QUICCA automatically records these operation checks and the associated product name, time/date and the operator ID who performed the check. If any step is omitted or performed incorrectly, QUICCA halts system operation thereby ensuing operation is only allowed if the checks are completed. The automatic data collection also eliminates possible recording omissions or recording errors (possible with manual data collection).

| Data No. | Time | Product No. | Log |
|---|---|---|---|
| 1 | 2010-04-04 15:02:57 | 000 | Machine started |
| 2 | 2010-04-04 15:02:57 | 000 | Barcode reader connected |
| 3 | 2010-04-04 15:03:57 | 030 | Operator change XXXX -> YYYY |
| 4 | 2010-04-04 15:05:29 | 030 | Operation Check started |
| 5 | 2010-04-04 15:05:45 | 030 | OK product OK |
| 6 | 2010-04-04 15:05:46 | 030 | NG product (Fe) Dia.2.0 OK |
| 7 | 2010-04-04 15:05:47 | 030 | Operation Check Fault |
| 8 | 2010-04-04 15:05:47 | 030 | Operation Check finished (Abnormal) |
| 9 | 2010-04-04 15:06:40 | 030 | Operation Check started |
| 10 | 2010-04-04 15:06:56 | 030 | OK product OK |
| 11 | 2010-04-04 15:06:59 | 030 | NG product (Fe) Dia.2.0 NG |
| 12 | 2010-04-04 15:07:01 | 030 | NG product (SUS) Dia.3.5 NG |
| 13 | 2010-04-04 15:07:01 | 030 | Operation Check finished (Normal) |

Operation check records can be stored and/or printed.

Production data can be searched via Operator ID or their unique barcode ensure operator traceability.



**MD Daily Report**

Company Name :
Factory Name :
Line Name : A Line

Print date : 2018-02-23

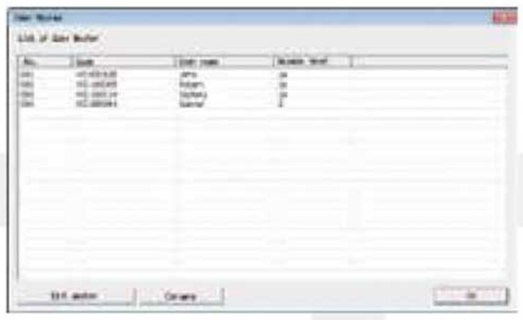
| Approved | Reviewed | Prepared |
|---|---|---|
| | | |

Machine Name:[ KWS6003BF3D ] ProductionDate:2018-02-23( shipmentNo. 3 )

| No. | Production Order | | | | | Metal Detector | | | | | | | | Operator | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Prod Name | Prod No. | Total | Start time | End time | Test Piece Confirm Start | | | Test Piece Confirm End | | | MDNG | DBL | | |
| | | | | | | Fe | SUS | Result | Fe | SUS | Result | | | Start | End |
| 1 | Rice cake | 001 | 162 | 14:37 | 14:40 | 2.0 mm | 2.0 mm | OK | 2.0 mm | 2.0 mm | OK | 0 | 10 | | |
| 2 | chocolate | 010 | 500 | 14:41 | 15:17 | 2.0 mm | 2.0 mm | OK | 2.0 mm | 2.0 mm | OK | 0 | 30 | | |
| 3 | Candy | 050 | 500 | 15:18 | 16:17 | 2.0 mm | 2.0 mm | OK | 2.0 mm | 2.0 mm | OK | 0 | 30 | | |

QUICCA V2.0

Daily inspection report, including production records, can be stored and/or printed.



Example of setting display

# Function chart

| Model | | KX9002A | KX9002D *4 | KX9002T *4 | Remarks |
|---|---|---|---|---|---|
| Connectable machine | Video camera | Option | Option | Option | Vide recording option |
| | XR75 series X-ray inspection system | √ | √ | √ | |
| | KD74 series X-ray inspection system | √ | √ | √ | |
| | M6-h Series Metal detector | √ | √ | √ | |
| | M5 Series Metal detector | √ | √ | √ | |
| | duw/duw-h series Metal detector | √ | √ | √ | |
| | KD82xx M series Metal detector | √ | √ *1 | √ *1 | *1 : CCP monitoring function is not available |
| | KD81xx duw series Metal detector | √ | √ | √ | |
| | SSV series Checkweigher | √ | √ | √ | |
| | SV series Checkweigher | √ | √ | √ | |
| | Automatic combination weigher | √ | √ *1 | √ *1 | *1 : CCP monitoring function is not available |
| Code reader | Scan individual product number | | | √ | |
| | Scan operator number | | √ | √ | CCP monitoring function |
| | Scan shipment information (production date and shipment number) | | √ | √ | CCP monitoring function |
| Maintenance | Hard disk failure recovery | √ | √ | √ | |
| | Network failure recovery | √ | √ | √ | |
| | Time synchronization | √ | √ | √ | |
| | Automatic data backup | √ | √ | √ | |
| | Automatic data deletion | √ | √ | √ | |
| | Failure notification | √ | √ | √ | |
| | Data deletion | √ | √ | √ | |
| | Data protection | √ | √ | √ | |
| Recordable data | Video image | Option | Option | Option | |
| | Evaluation result | √ | √ | √ | |
| | Evaluation details (mass value and product effect value) | √ | √ | √ | |
| | Evaluation limit value | √ | √ | √ | |
| | Statistics data | √ | √ | √ | |
| | Batch statistical data | √ | √ | √ | |
| | Lot statistics data | √ | √ | √ | |
| | X-ray image | √ | √ | √ | |
| | Equipment history | √ | √ | √ | |
| Control | Product change | √ | √ | √ | |
| | Parameter change | (*2) | (*2) | (*2) | *2 : Certain parameters only |
| Output method | Data association between equipment | | | √ | |
| | Search by individual product number | | | √ | |
| | Search by production date or shipment number | | √ | √ | |
| | Search by lot number | √ | √ | √ | |
| | Search by time and date | √ | √ | √ | |
| Output format | Product inspection report | | √ | √ | CCP monitoring function, EXCEL format *3 |
| | CCP monitoring report | | √ | √ | CCP monitoring function, HTML format |
| | Video data | Option | Option | Option | AVI format |
| | Individual data | √ | √ | √ | CSV, HTML format |
| | Image data | √ | √ | √ | JPG, TIFF, PNG format |
| | Statistics data | √ | √ | √ | CSV, HTML format |
| | History data | √ | √ | √ | CSV, HTML format |
| Analysis | Advanced analysis | √ | √ | √ | EXCEL format *3 |
| | Xbar-s/R graph | √ | √ | √ | |
| | Histogram | √ | √ | √ | |

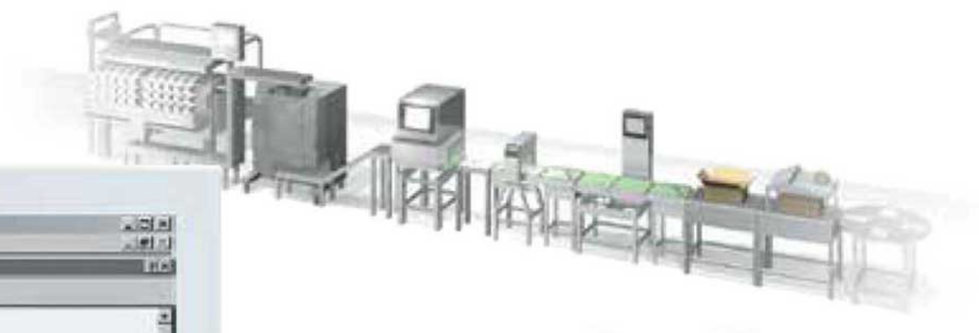
*3 : Microsoft Office Excel 2010, 2013 or 2016 (32 bit) is required.

*4 : It is important to introduce KX9002D/KX9002T according to the customer's operation mode. Since it is necessary to start with understanding the operation mode of customers, please contact our sales representative when considering the introduction.

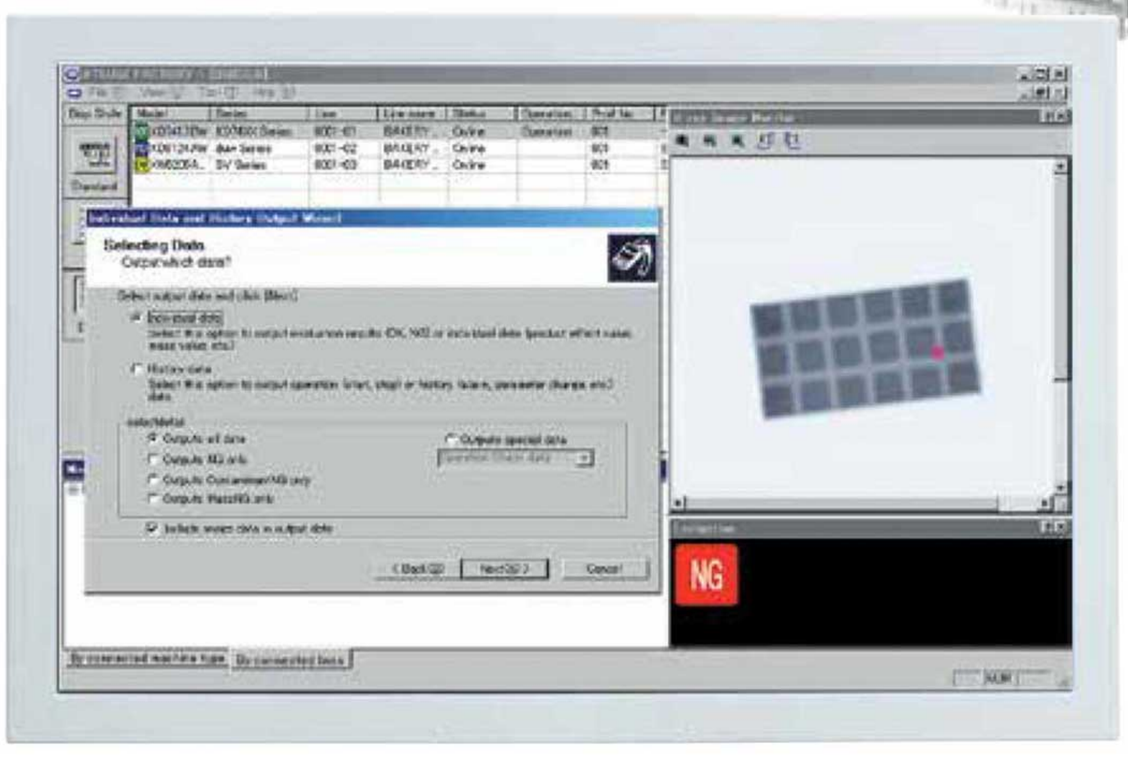
Application Example 2

# Complete Product Traceability

## Ensure fast and reliable response to product quality complaints



*Traceability*

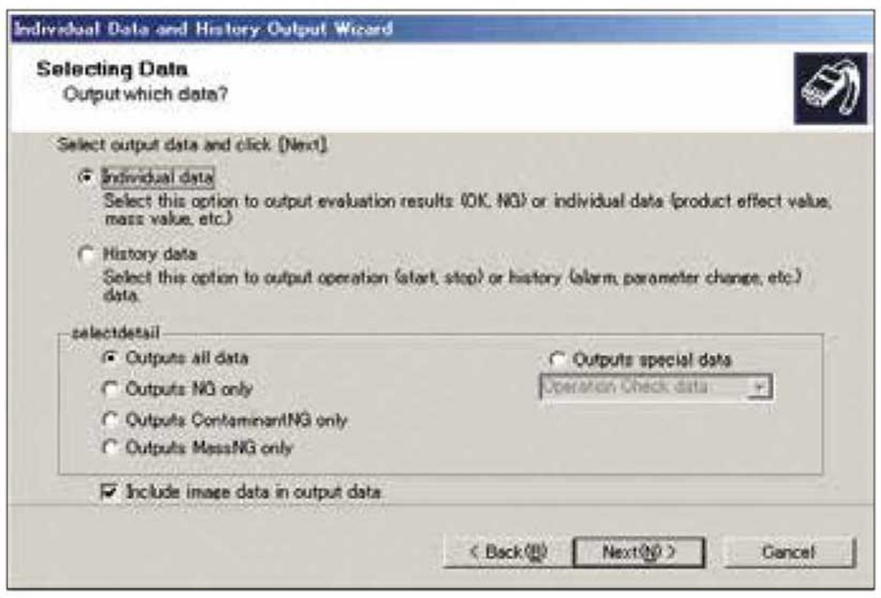



- Lot number and time/date traceability
- Quickly search inspection data by scanning the product's bar or 2D codes (KX9002T only)
- View the complete product history including its inspection by *ALL* Anritsu X-ray, Checkweighing, Metal detection and video recording system on the line
- Greatly streamline product traceability!

Delivered by KX9002A, KX9002D and KX9002T

## Quick and efficient data access

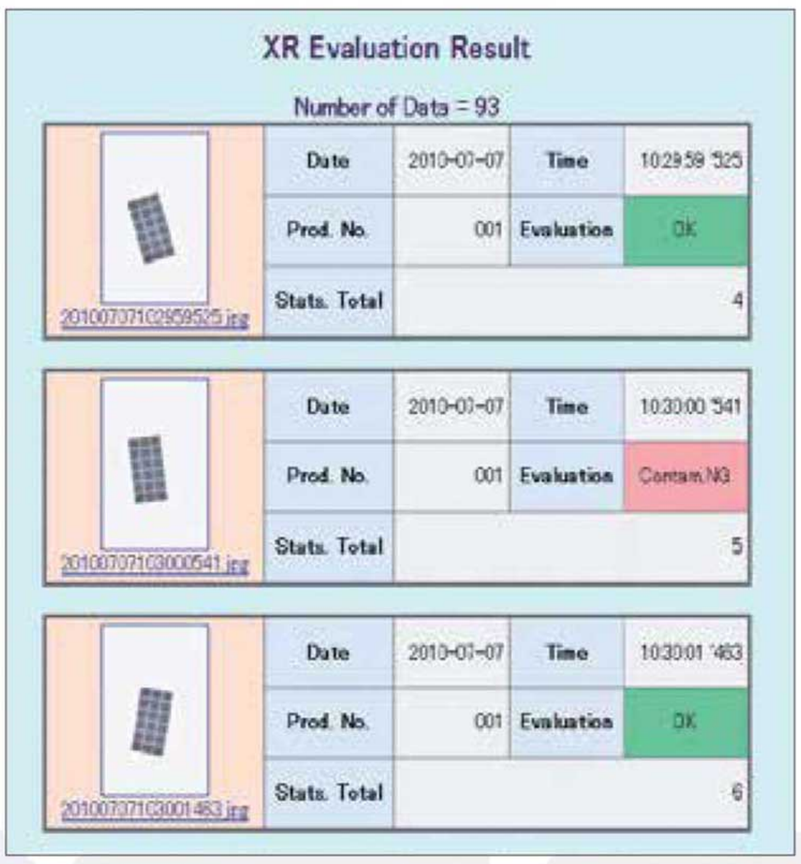
The inspection data and operational history of all inspection systems are automatically recorded, in chronological order, in one centralized location. When receiving complaints from consumers or retailers, the desired inspection data can be extracted via the data output wizard to confirm there were no process problems.




Data output wizard extracts inspection records

Individual data: Extract product-related data such as OK / NG result

History data: Extract data from operational status history such as start/stop and alarm




Example of the data output — Inspection data can be referenced promptly



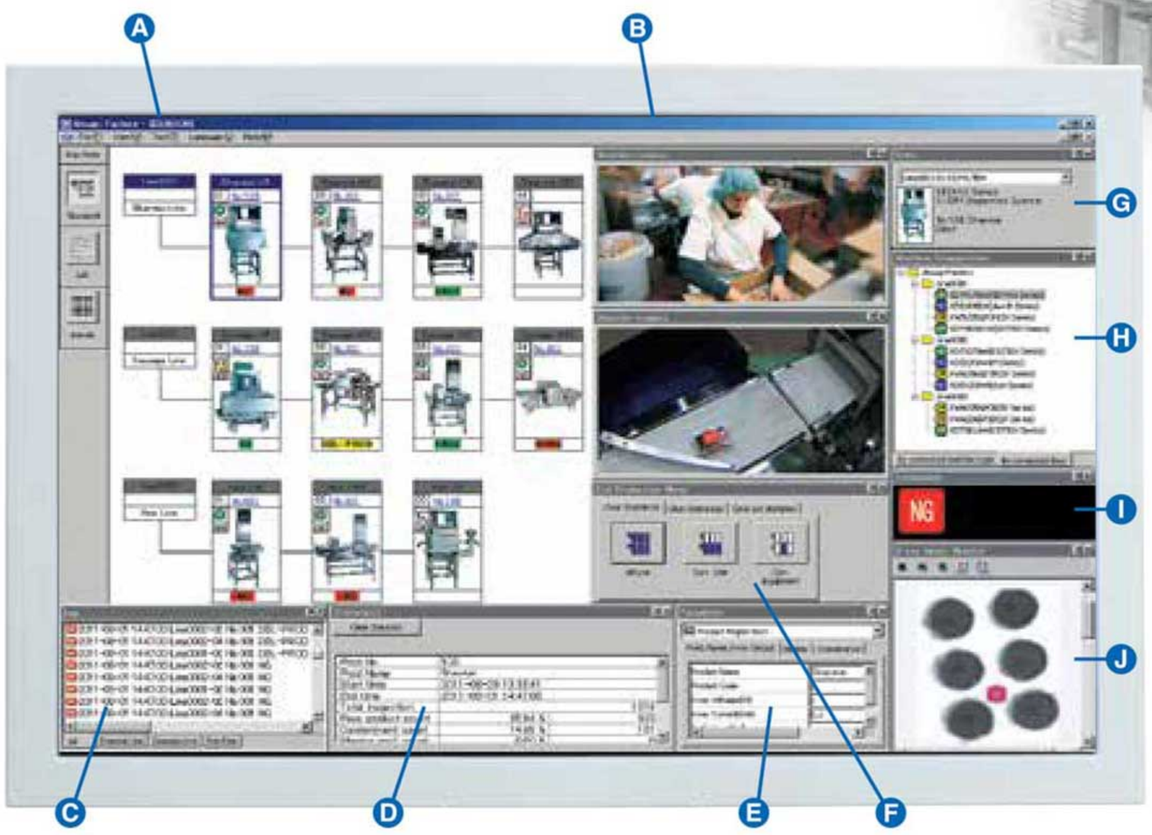



# Real-Time Production Line Monitoring and Analysis

An overview of the production line allows you to detect areas of improvement.



*Line monitoring*




- Check production status
- Record and view video feeds (optional)
- Display inspection history
- View production statistics
- Output production status reports
- Control systems remotely

Delivered by KX9002A, KX9002D and KX9002T

## Monitoring and control — Centrarized control facilitates efficient line management

- **A** Main window: View the current status of each inspection equipment including evaluation results and operation errors
- **B** Video image: View live video feeds (optional)
- **C** History: Display the inspection history including inspection, error and alarm results
- **D** Statistics: View the total number of products inspected, number and percentage of OK/NG products, average product weight (X-bar) and standard deviation
- **E** Parameter: Show the current settings of each inspection equipment
- **F** End production menu: Reset the statistics for all or the selected equipment
- **G** Data: Display basic information such as lines and models
- **H** Line composition: Display equipment of each line as a tree view
- **I** Evaluation: Show evaluation results
- **J** X-ray image monitor: Display an X-ray image in real time

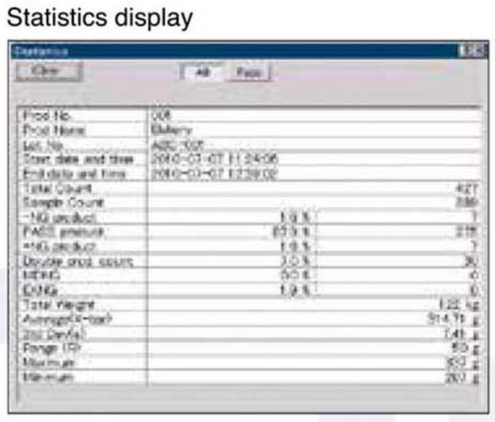
◎Remote monitoring via mobile phone:
Inspection equipment status, current statistics and error messages are automatically sent to your mobile phone. Remote real time adjustment of inspection settings is possible.

```
Inbox                    To          1
Date 2006/08/29 09:54:44
From XD7417BW X-Ray Inspection System
Sub  0001-04 Error generated
Error generated

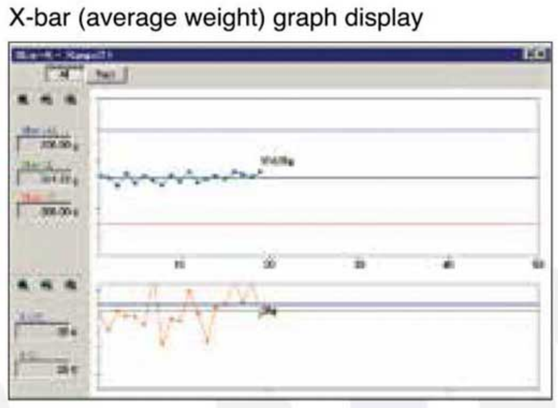
Line        0001-04
Prod. No.   001
Prod. Name  Snack
2006-08-29 09:54:44
[Name]
E052 Emergency stop
[Description]
Emergency switch pressed.  Pull and
turn clockwise to release. If  error
frequent call SE.
[Solution]
Problem:
Emergency stop switch pressed or
```

Example of text message

Statistics display



X-bar (average weight) graph display



Histogram display

