ClassifEYE

Simple to operate and easy to get started
ClassifEYE is a simple effective tool to streamline the production. It is easy to install and provides the production managers with real time information which facilitates production management.

Benefits at a glance
- Better than the human eye
- Know the excact quality of the incoming products for downstream operation
- Correct flotws upstream
- Small cameras and LED light
- Easy to install and operate
- Easy to clean – hygienic
- Software updates and support online (internet)
- Intuitive user-friendly software which can be used without training

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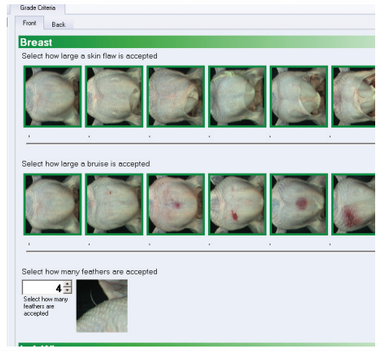
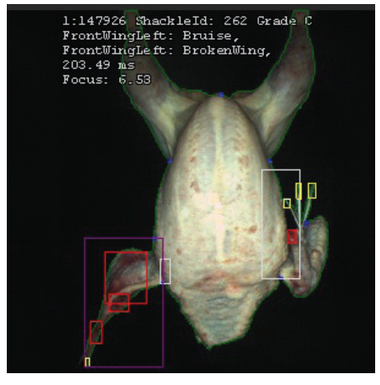




ClassifEYE

- Better than the human eye

By introducing the 2nd generation of ClassifEYE - vision quality classification system, BAADER LINCO takes advanced production planning to a higher level. Valuable information is collected in-line for downstream use to optimize the following process and for upstream use to correct flaws in the previous processes.

Knowing the incoming products is the key to successful production planning. ClassifEYE can be customized to suit any production of standard chickens to give a detailed overview of the quality by controlling up to 4 cameras (front, back, left side and right side). When combining this information with weighing data from an in-line weighing system or a weigh/transfer unit, the overview of the incoming products is complete.

Better than the human eye
The cameras are detecting for the following defects:

Front camera :
- Broken wings
- Skin flaws/barking
- Bruises
- Feathers
- One leg hangers

Back camera :
- Hock burn
- Bruises
- Feathers
- Bile

Side cameras :
- Bruises in wing pits

Visual quality classification using cameras is better than the human eye. By using cameras the quality control is 100 %, because the classification is based on advanced algorithms and therefore the classification is uniform and the performance of the systems constant.

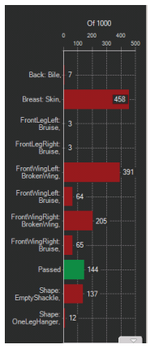
Downstream operation
The quality information is collected and transferred automatically to a LINCOflex system. The products are then distributed to the subsequent processes where the production manager can choose what to do with the product based on a combination of weight and quality using either a pre-programmed set-up or the set-up may be edited on the fly.

Upstream correction
An increase in specific injuries indicates that something is wrong upstream. Through the Live Statistics software incorporated into ClassifEYE this can be detected even with production running. Action can be taken imediately thereby improving the throughput quality of the production. The view of the Live Statistics may be individually adjusted to focus on the most important details at a specific moment which makes it possible to:

- Monitor the amount of grade A, grade B and empty shackles
- Count the types of defects
- Get an overview of incomming product quality and adjust the grades parameters.

Historic data is saved and data can be tracked afterwards to create statistics on grades and defects. This means that it is possible to either correct a problem when it occurs even with production running or trace it afterwards. Also, data can be compared.

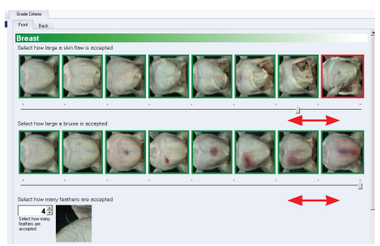
Know and manage your production



Live Statistics - counting the detections

ClassifEYE
This is the live view of the cameras. It follows the cameras online with live statistics on the screen. It detects grade A, grade B, empty shackles and defects (user defined grade names) and the view can be individually adjusted.

ClassifEYE Grade setup
Is a grade A always a grade A? In the grade setup it is possible to create and save programs with a descriptive text for different types of production; define in details which defects are accepted in which grade. The changes are made with a simple and intuitive user interface.



Easy to adjust the grade set-up with a slider

ClassifEYE Statistics
Overview of the daily production, a certain time interval (user defined) or historical data. The statistics can be exported to Excel and LINCOflex.

Easy to get started

4 steps before running ClassifEYE
The O'Kane Poultry Plant runs 9,300 birds per hour. The space between the chickens means that ClassifEYE could be installed on a straight line. If the space between the birds are 8 inches or lower a 2.5 m nose dip is required. At O'Kane we installed the full version with 4 cameras detecting front, back, left side and right side.

Step one – Mounting cameras
The cameras are mounted to a beam added to the existing line above the chain. It may be necessary to add a small background.

Step two – Pulling cables
Pulling the cables from the connection box for the PC; each camera will have its own IP-address at the network.

Step three – Setting up software
Setting up a PC – In an office, a computer with the following software is installed: Chicken inspector, Grade set-up and Statistics.

Step four – Getting started
It takes about 2 hours to adjust the system to detect the grades and for the user to get familiar with the software. Afterwards, the programs are easily fine-tuned if needed.

Integration into your production management

One of the strengths of the ClassifEYE vision system is its integration with the LINCOflex 2000 production program via a real-time interface giving weighing and quality data for each chicken.

Anything you want to do
LINCOflex 2000 will support all the weighing equipment supplied by LINCO i.e. Static Scales, Data Touch Screen Terminals, Belt Weighing systems, Overhead Weighing systems, Label Printers and Bar Code Scanners.

Several weighing units can be controlled by the same LINCOflex 2000 PC. You may e.g. have a system of 32 Static Scales, one Data Touch Screen Terminal, 10 Belt Weighing systems, 2 Overhead Weighing systems, one Label Printer and one Bar Code Scanner.