

## LINCO 7030 Vision Quality System

With a capacity of 12,000 birds/hour, the new 7030 Vision Quality System is specially designed to quality grade whole chickens or the individual parts of the chickens.

### Options of configuration

The 7030 Vision System is available in two configurations: A one-camera system, quality grading either the breast side or the back side, or a two-camera system, which quality grades both breast and back side. Each camera with the special lighting is enclosed in a stainless steel cabinet with thermal toughened glass.

### How does it work?

The camera takes a picture of the chicken. The picture is sent to the special high-speed computer via the high-speed fibre-optic cable. The computer then performs a segmentation of the chicken and quality measurements in order to determine the quality grade of the chicken or the individual parts of the chicken.



The Vision System operates with up to 20 different quality grades. Each quality grade can be defined on the basis of the following defects:

- *Blood spots*
- *Bruises*
- *Burn marks*
- *Damaged skin*
- *Damaged groin skin*
- *Gall discolouring*
- *Broken or missing wing(s)*
- *Feathers*
- *One-leg hangers*
- *“Empty shackles”*

The 7030 Vision System performs a quality grading that is more correct and more consistent compared to manual quality grading, which at line speeds of more than 8,000 bph allows a very limited time for each quality inspector to determine the grade of the individual chicken.

The 7030 Vision System is designed to be placed anywhere on the line from defeathering over distribution to cut-up.

### The strength of the Vision 7030 System

One of the greatest strengths of the 7030 Vision System is its integration with the LINCOflex 2000 production program via a real-time interface giving weighing and quality data for each chicken.

Moreover, the 7030 Vision System has a fast TCP/IP interface making it possible, directly from LINCOflex 2000 or other programs, by remote control to:

- *Upload program library*
- *Select program to run in production*
- *Start and stop production*
- *Reset statistical data in production monitor*
- *Upload production information from production monitor*

Finally, for service purposes, the 7030 Vision System can be controlled and serviced via the Internet.

	Colour spots [mm2]	Spots number	Gall discolouring [mm2]	Skin defect [mm2]	Feathers	Groin skin Checked=Ok	Broken wings Checked=Ok
- Chicken	500	8	0	100	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Breast side	200	6	0	100	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Legs	100	2		0	0		
- Right leg	50	1		0	0	<input checked="" type="checkbox"/>	
- Left leg	50	1		0	0	<input checked="" type="checkbox"/>	
- Breast	50	2	0	100	0		
- Right breast	30	1					
- Left breast	20	1					
- Wings	50	2					
- Right wing	25	1					
- 1st. joint							
- 2nd./3rd. j							
- Left wing	25	1					
- 1st. joint							
- 2nd./3rd. j							
- Back side	300	2					
- Legs	300	2					
- Right leg	200	1					
- Left leg	100	1					
- Back	0	0					
- Right back	0	0					
- Left back	0	0					
- Wings	0	0					
- Right wing	0	0					
- Left wing	0	0			0		

