Gainco®

▶ *Success you can measure.*

A plant floor yield management tool for poultry deboning operations

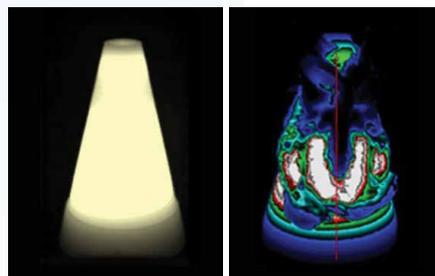# ▶ YieldScan™ Rapid Frame Analyzer

A powerful QC instrument for improving deboning operations.

▶ A unique yield management tool for poultry deboning lines

The YieldScan™ Rapid Frame Analyzer is a powerful new instrument used on the plant floor that gives you more frequent and more useful information you can use to improve line productivity and overall product yield.

Here's the challenge: Too often, too much meat yield is going to the MDM process to be sold as low-value product. Deboning lines are inconsistent, leaving large amounts of usable meat on frames. Current measurements for debone yields are slow, manual and tedious.

Here's the solution: Harness the latest vision-based scanning technology to monitor and analyze the process in real time, giving supervisors a standardized QC scoring system across plants to drive improvements.

- YieldScan is a self-contained piece of equipment
- YieldScan is a plant floor instrument
- YieldScan is an analyzer

YieldScan™ lets you see differences in the percentage of residual meat left on frames in "real time," for immediate corrective action.

NIR-illuminated cone without bird frame.

NIR-illuminated cone shown with frame.

How It Works

- A batch of 10 deboned front half chicken frames is taken from the cone line or automated debone equipment.

- Frames are individually weighed and a picture is taken of the front of each frame. As light passes from the illuminated YieldScan cone through the meat, there's a direct relationship between the transmitted intensity (brightness) and the thickness of the meat.

- Instantly, the instrument calculates how much residual meat is left on the front-half of the frame – revealing a trend that can be used to guide process improvements. The information is sent in real time to the plant floor dashboard.

YieldScan™

Debone Line	Residual Meat (g) (recent 3 tests)			Shift Average (g)
1	43.4	41.7	7.8	▶ 31.0
2	11.3	11.4	10.9	▶ 11.2
3	17.9	10.9	13.5	▶ 14.1
4	19.8	4.9	3.4	▶ 9.4

gainco

Performance Level

< 15	🟢
15-16	🟡
> 16	🔴

Current Shift
06:00am - 06:00pm
02/15/17 | 16:12
P/N 810210 Ver. 3.1.0.
192.168.100.133

- The instrument also determines where the residual meat is located on the left versus the right side of frames, helping you troubleshoot any performance problems in your process.

- Overall, a batch of 10 frames takes less than 3 minutes to analyze.

What You Achieve

- Say goodbye to manual evaluations based on too-few samples.

- *Take action to correct problems immediately* instead of hours later.

- You'll see a *noticeable difference* in the percentage of meat left on the frames.

- Thanks to YieldScan's qualitative data, you can evaluate your process more effectively and consistently — line-to-line and plant-to-plant.

- With YieldScan backing you up, you can also inspire healthy competition between workers on manual deboning teams – or react quickly to leading indicators of equipment trends on automated deboning lines.

Designed with "Intuition" in Mind

The entire YieldScan process is uncomplicated, because it's based on the instrument's easy-to-use software and hardware. Among the performance features are these:

- Pre-loaded frame size information, target value, and other reference data are based on *your own processing line's characteristics*.

- Data is managed wirelessly to your internal servers or on-board the instrument with easy-to-use reporting capabilities.

- A plant floor dashboard allows for clearly visible real-time display of data for your operators working on a manual deboning line.

- The robust hardware designed into the instrument is suitable for use on the plant floor near the processing lines.

The Financial Impact Really Adds Up

What are improved annual yields from your deboning operation worth to you? A 1% less scrape represents 0.1% more white meat for sale.

Simple graphic interfaces and easy-to-read scan results are hallmarks of YieldScan's user-friendly design and operation.

▶ A powerful yield management tool to manage debone lines more efficiently for improved operations and throughput.

Advantages and Benefits

- Monitors your poultry debone operations in real time, on the plant floor

- Increases the speed and frequency of QC tests

- Frame analysis is done in mere seconds

- Establishes a standardized tracking method across lines and plants, removing operator subjectivity

- Supports both automated and manual deboning operations

- Minimizing residual meat with more oversight leads to higher yields and rapid ROI

Features

- Incorporates advanced vision-based NIR *(near-infrared LED illumination)* scanning technology

- WiFi-enabled or onboard reporting

- Gainco scoreboard has high visibility and displays results in real time

- Small footprint (41" wide x 29" deep x 50" tall) fits easily into existing operations

- AMI sanitary design
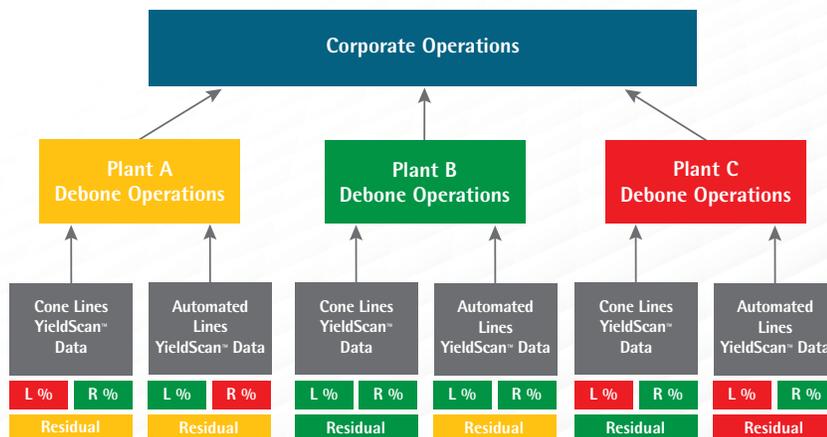
Gainco®

▶ *Blue Ribbon Service*

Blue Ribbon Service from Gainco provides a comprehensive parts, service and support solution for all Gainco equipment, including our OEM partners. Our factory-trained technicians provide in-field and remote support to food processing facilities across the United States.

We operate a telephone hotline, giving you timely answers on everything from technical assistance to parts sourcing. We take the time to listen – then react quickly to your needs.

Also, we have the capability to view your equipment's diagnostics remotely if you so choose. And we offer technical support in both English and Spanish for troubleshooting problems in the field.

YieldScan™ dashboard data can be communicated to plant and corporate management.

For additional information on the YieldScan™ Rapid Frame Analyzer and how it will benefit your debone operation's efficiency, productivity and profitability, contact your Gainco technical sales representative, visit **gainco.com/yieldscan** or call toll-free **877–869–7410**.

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