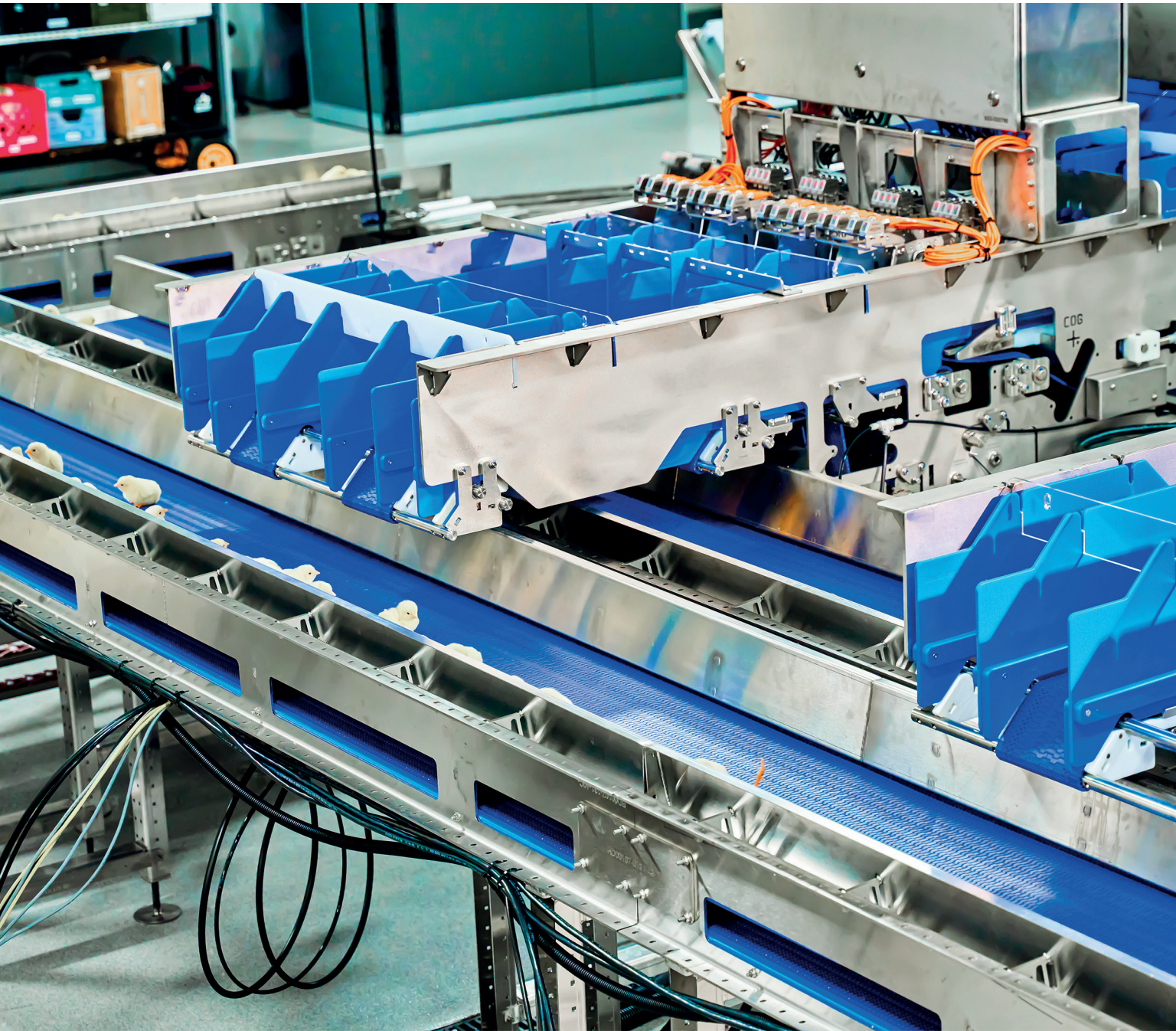




WingScanTM
by TARGAN

**Automated
Feather Sexing
System**



The Next Generation of Automated Feather Sexing.

- + As global poultry demand increases, producers must balance efficiency with high animal welfare standards. WingScan, TARGAN's AI-powered feather sexing system, addresses these needs by automating the hatchery process, solving labor challenges, and improving sexing accuracy.

Early chick sexing with WingScan enables tailored farm management, where gender-specific feeding programs help improve flock uniformity. This results in healthier, more predictable growth. By the time birds reach the processing plant, their uniform size ensures smoother operations, reduced waste, and more precise equipment calibration, leading to higher yields.

With WingScan, producers optimize hatchery processes, improve farm uniformity, and maximize plant yield—boosting efficiency and profitability throughout the production chain.

WELCOME TO THE FUTURE OF SEXING



WingScan™

Maximizing Hatchery Performance

+ WingScan transforms hatcheries by automating the feather sexing process and consistently delivering over 97% accuracy. By minimizing labor and providing high throughput, WingScan enables hatcheries to achieve higher productivity while improving animal welfare.

Automating Sexing at the Hatchery

ACCURACY

Consistently delivers over 97% accuracy, ensuring reliable and precise results.

HIGH THROUGHPUT

Feather sex up to 160k chicks per hour, depending on configuration.

LABOR SAVINGS

1 operator replaces up to 32 or more employees.

EFFICIENT

Outpaces manual feather sexing, shortening processing days.

BIOSECURITY

Fewer personnel in the hatchery means reduced risk of contamination.

RELIABILITY

Consistent all-day performance without throughput fade.

DATA CAPTURE

Leverage captured flock data to make informed decisions.



WingScan™

Unlocking Value Across the Production Chain

+ WingScan drives performance improvements beyond the hatchery, optimizing farm management and processing efficiency. By enhancing flock uniformity and yield, WingScan maximizes profitability throughout the entire production process.

Benefits of Sexing Downstream

MANAGEMENT FLEXIBILITY

Separating male and female flocks provides more control over farm management, allowing producers to implement targeted live bird programs and achieve desired growth outcomes.

FLOCK UNIFORMITY

Sex-specific feeding strategies reduce weight and size variability, ensuring more consistent bird weights for transport and processing.

OPTIMIZED FCR

Tailored nutrition for males and females leads to optimized feeding strategies, enhancing feed efficiency and improving FCR by ensuring birds utilize feed more effectively.

AUTOMATION OPTIMIZATION

Uniform birds entering the plant allow automated systems to run with fewer adjustments, improving primary processing, secondary processing and further processing.

MAXIMIZED YIELDS

Consistent carcass sizes enable more precise cuts, reducing waste and maximizing yields across the production chain.

SALES EFFICIENCY

Uniformity enhances predictability in production, making it easier to meet customer demands and streamline order fulfillment.

WingScan™

A Tailored Solution

- + At TARGAN, we collaborate with customers to design solutions that fit their hatchery's specific needs and floor space.

Designed for All Hatcheries

TAILORED DESIGN

WingScan is customized to fit your hatchery's space and operational needs, without disrupting existing workflows.

MODULAR SCALABILITY

WingScan is designed to meet any hatchery's processing capacity, offering scalable flexibility as your operations grow.

INTEGRATED SYSTEM

WingScan integrates with upstream and downstream hatchery automation, supporting automated processes.

USER-FRIENDLY INTERFACE

WingScan features an intuitive dashboard, simplifying system controls and providing real-time data access to hatchery personnel.

PROACTIVE MAINTENANCE

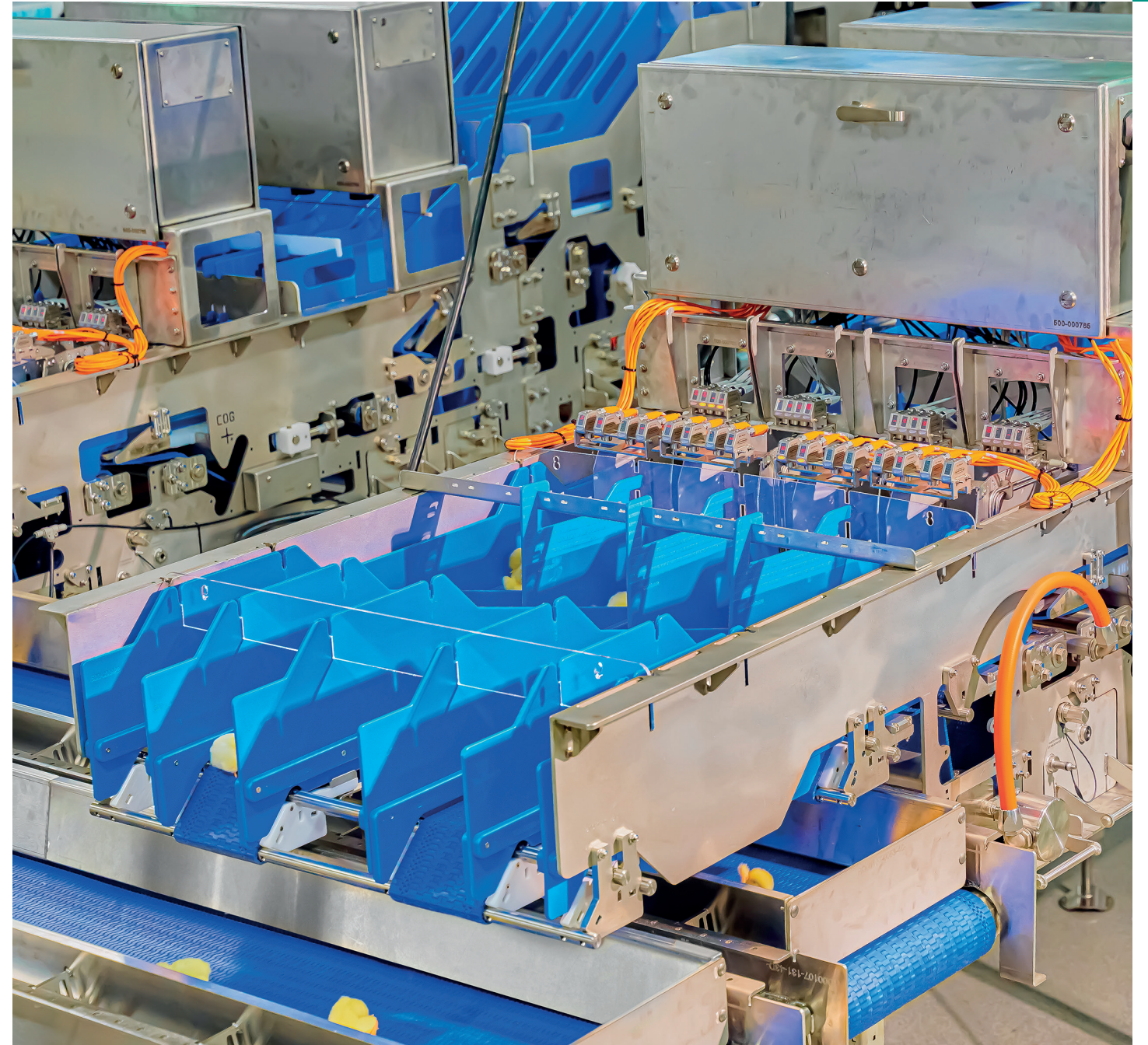
WingScan includes early detection processes to identify potential issues before they impact performance, ensuring your operations run smoothly.

AUTOMATIC SOFTWARE UPDATES

WingScan delivers over-the-air software updates to continually enhance performance and ensure long-term reliability.

RESPONSIVE SUPPORT

TARGAN's field service team is available around-the-clock, ensuring that any operational concerns are quickly addressed.





+ SEE THE SYSTEM IN ACTION

WingScan™

The Benchmark for Automated Sexing

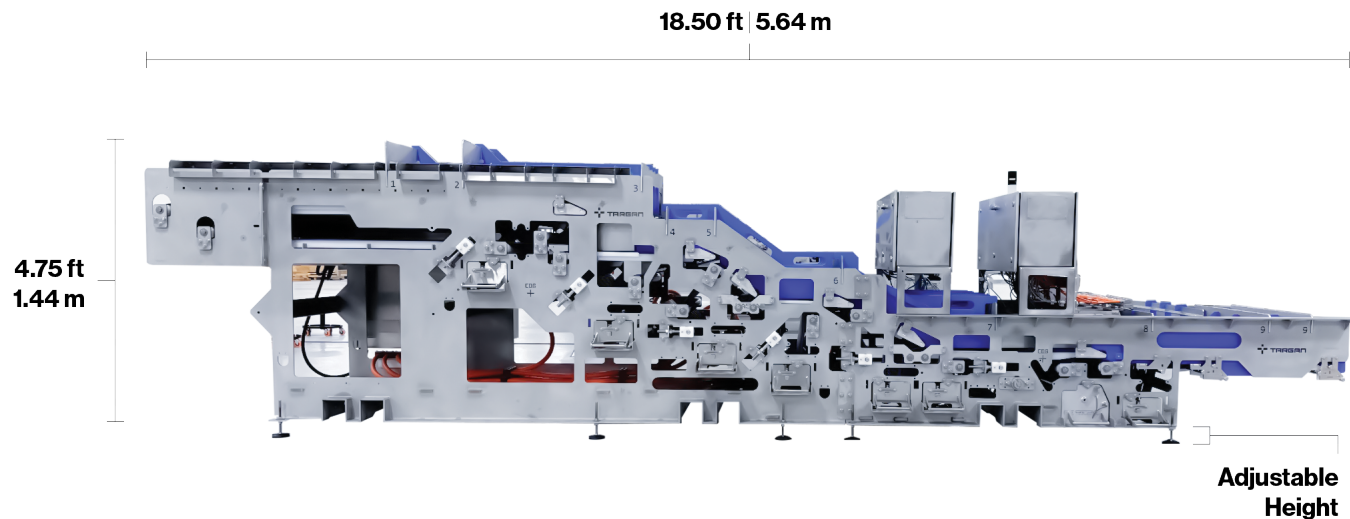
+ WingScan sets the global standard for performance and reliability.

2B+ Chicks sexed globally	30M+ Chicks sexed weekly
50+ Systems installed globally	250K–3M+ Across small to large hatcheries
97 - 99% Average sexing accuracy	99%+ Average system uptime

DATA | JANUARY 2026

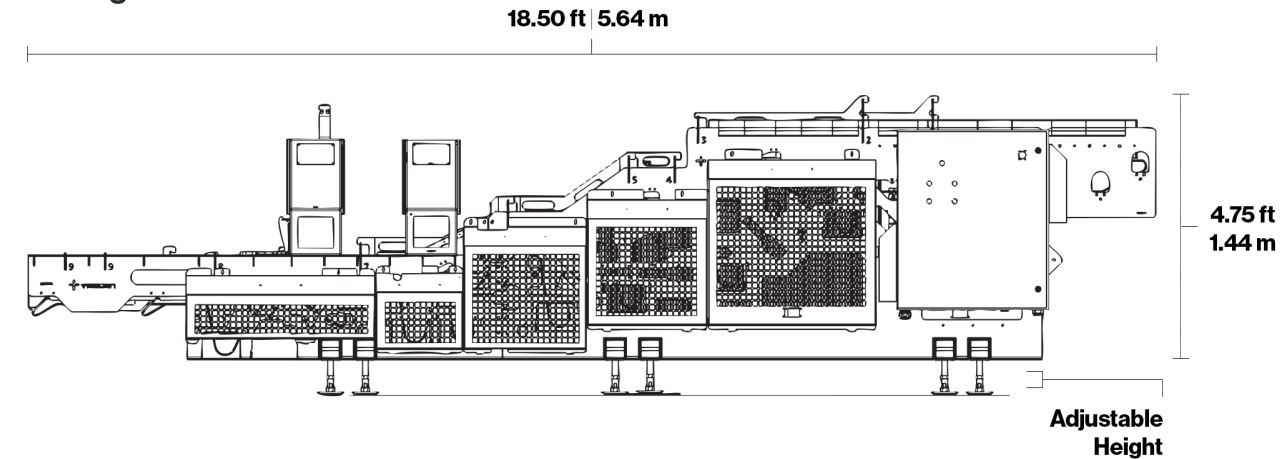
Core System

+ Commercial WingScan System

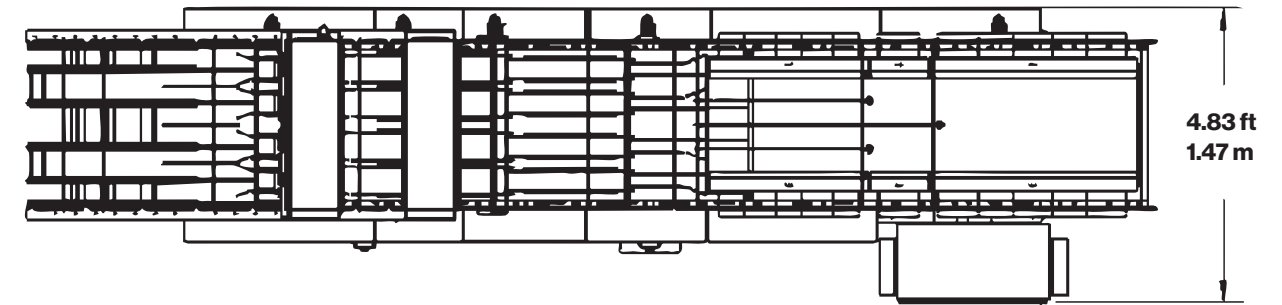


Core System

+ WingScan Side View



+ WingScan Top View



WingScan™

System Specs

Technical Specs

MODULARITY	4, 8, 12, 16 - lane configurations for scalability Custom daily reporting and tracking
CONSTRUCTION	316 stainless steel build Adaptable footprint for your hatchery size Food-grade materials Active cooling for longevity Withstands high-pressure wash and temperatures Ultra high molecular weight polyethylene (UHMW) chick lanes Drops per animal under 150mm across the entire system
SYSTEM SENSING	Advanced vision systems for accurate identification
CONTROL AND SECURITY	PLC and telemetry for real-time feedback Robust security protects software and hardware Remote system access for easy upgrade and service
INTEGRATION AND INTERFACE	Integrates into existing software and hardware Integrated safety system User-friendly interface

Utility Requirements for Standard 8-Lane System

ELECTRICAL	Motor Control Cabinets: (2x) 400/480 VAC, 3-phase, 50Hz, 50 A HMI Panel: (1x) 400/480 VAC, 3-phase, 10A
AIR	(2x) 12 mm, 90 PSI (6.2 bar), 50 CFM (85m3/h)
DATA	CAT6 ethernet cable connection





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