

IXORTA

ENGINEERED FOR PERFORMANCE

Industrial Poultry Systems Catalogue

Layer cages, rearing systems, broiler production,
breeder cages, ground systems and feed mill
infrastructure for global poultry projects.



PREMIUM EXPORT LINE



COMPANY

Built for poultry projects that scale.

IXORTA is a global exporter of industrial, agricultural and manufacturing machinery, connecting poultry producers with reliable equipment platforms, project-ready configuration and export-focused support.



Export-ready

Machinery selected for international projects, documentation and repeatable installation workflows.



Automation

Feeding, drinking, egg handling, manure removal and control systems designed to reduce daily labor.



Configurable

Layouts adapt to flock density, house dimensions, climate strategy and production targets.



Premium support

Clear specifications, disciplined procurement and responsive project coordination.

PORTFOLIO

Product categories

A complete poultry equipment portfolio for egg production, chick rearing, broiler farming, breeder operations and feed infrastructure.

Layer Cage

IX-LAYER

High-density systems for efficient egg production.



Rearing Cage

IX-REARING

Healthy chick rearing with uniform growth and lower mortality.



Broiler Cage

IX-BROILER

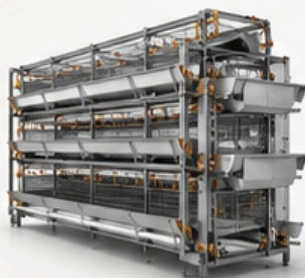
Space-efficient broiler raising with optimal performance.



Breeder Cage

IX-BREEDER

Breeder operations built for fertility and long-term productivity.



Ground System

IX-GROUND

Flexible floor-based systems for broilers and pullets.



Feed Mill Factory

IX-FEEDMILL

Complete feed milling solutions for consistent nutrition and output.



TECHNICAL

Available models
and reference
specifications

Dimensions and capacity values are normalized from the extracted reference brochure tables. Project-specific engineering may vary by house layout and automation scope.

Model	Category	Length	Depth	Height	Area	Birds
IX-L60	Layer Cage	675 mm	600 mm	600 mm	450 cm ²	9
IX-E60	Layer Cage	600 mm	600 mm	600 mm	400 cm ²	9
IX-N60	Layer Cage	600 mm	675 mm	600 mm	450 cm ²	9
IX-L75	Layer Cage	675 mm	750 mm	600 mm	460 cm ²	11
IX-E75	Layer Cage	600 mm	750 mm	600 mm	409 cm ²	11
IX-R38	Rearing Cage	1485 mm	650 mm	630 mm	254 cm ²	38
IX-B270	Broiler Cage	2700 mm	1600 mm	820 mm	432 cm ²	100
IX-BR50	Breeder Cage	2700 mm	1200 mm	820 mm	648 cm ²	45
IX-BR40	Breeder Cage	Project	Project	Project	–	–
IX-GROUND	Ground System	Project	Project	Project	–	–
IX-FEEDMILL	Feed Mill Factory	Project	Project	Project	–	–

AUTOMATION

Integrated
poultry systems



Watering System

Reliable clean water delivery for healthy flocks.



Feeding System

Consistent feed distribution for optimum growth.



Egg Collection System

Gentle and efficient egg collection with minimal breakage.



Manure Discharging System

Timely manure removal for a clean and healthy environment.



Broiler Removal System

Safe and efficient bird removal to streamline harvest operations.



Ventilation Systems

Optimal airflow control for better air quality and comfort.



LED Poultry Lighting System

Energy-efficient lighting that supports bird welfare and productivity.



Heating System

Stable temperature management for bird comfort in all seasons.



Automation System

Smart control and monitoring for maximum efficiency and precision.



LAYER CAGE

LAYER CAGE SERIES

IX-L60 / IX-E60 / IX-N60

A refined cage platform for egg producers who need consistent output, clean operation and dependable automation across high-density poultry houses.

Automatic layer cage systems for commercial egg production, designed for hygienic poultry housing, efficient feeding, controlled nipple drinking, precise egg handling and reliable manure removal.



Automatic
feeding



Nipple
drinking line



Egg
collection
options



Polypropylene
manure belt



Modular
cage rows

IX-L60

Length	675 mm
Depth	600 mm
Height	600 mm
Movement area	450 cm ²
Birds/section	9

IX-E60

Length	600 mm
Depth	600 mm
Height	600 mm
Movement area	400 cm ²
Birds/section	9

IX-N60

Length	600 mm
Depth	675 mm
Height	600 mm
Movement area	450 cm ²
Birds/section	9



APPLICATIONS

- Commercial egg production farms
- High-density layer houses
- Automated poultry facilities



MATERIALS & OPTIONS

Galvanized steel cage structure, stainless steel nipples, PVC square water line, polypropylene manure belt, egg belt and modular feed troughs.



LAYER CAGE SERIES

IX-L75 / IX-E75

Engineered for high-performance egg production, the IX-L75 and IX-E75 layer cages deliver superior bird comfort, efficient space utilization and consistent productivity in modern poultry houses.

IX-L75

Length	675 mm
Depth	750 mm
Height	600 mm
Movement area	460 cm ²
Birds/section	11

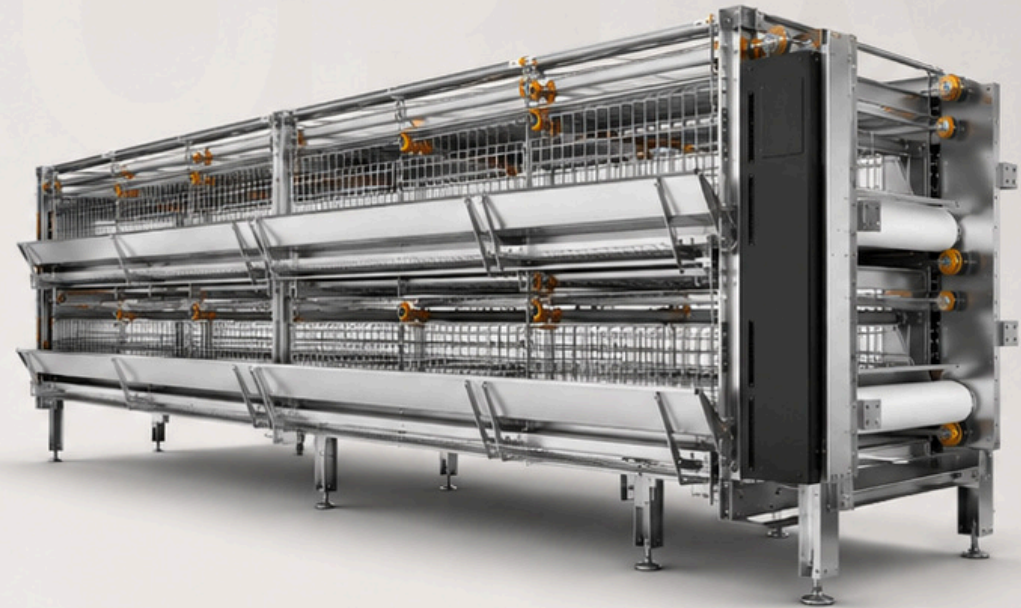


IX-E75

Length	600 mm
Depth	750 mm
Height	600 mm
Movement area	409 cm ²
Birds/section	11



Models IX-L60, IX-E60, IX-N60, IX-L75, IX-E75. Customization by tier count, row length, house width, egg collection type, feeding automation, manure conveyor and climate integration.



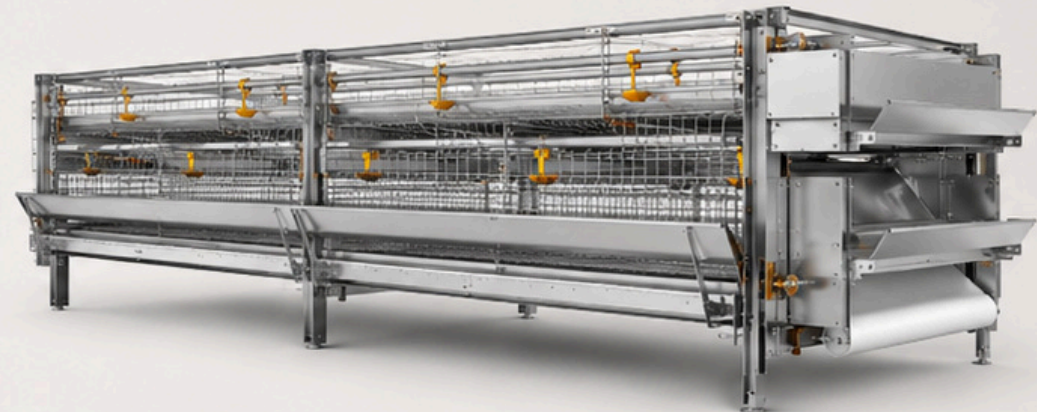
REARING CAGE

IX-R38

A hygienic growing environment engineered to support early-stage bird health, even access to feed and water, and simpler daily management.

IX-R38

Length	1485 mm
Depth	650 mm
Height	630 mm
Movement area	254 cm ²
Birds/section	38



KEY FEATURES



Uniform chick access



PVC watering line



Safe feed distribution



Easy cleaning



Growth-focused layout

APPLICATIONS



Chick and pullet rearing



Biosecure growing houses

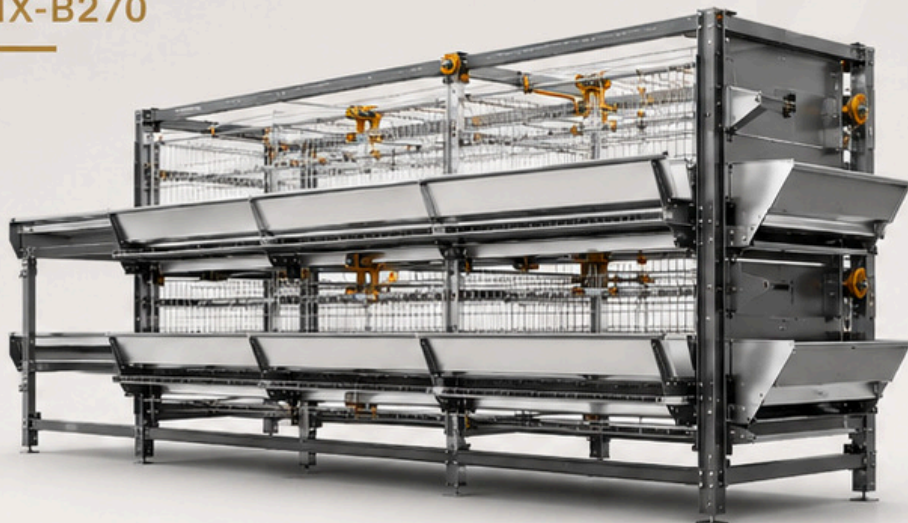


Uniform flock development programs



BROILER CAGE

IX-B270



OVERVIEW

A production-focused broiler cage platform built to reduce handling stress, streamline cleaning and improve throughput in modern farms.

SEO DESCRIPTION

IX-B270 Broiler Cage is designed for industrial broiler cage production, combining feeding, drinking, conveying and manure management to improve flock handling, hygiene and farm productivity.

KEY FEATURES

- ✓ Integrated feeding
- ✓ Controlled drinking
- ✓ Manure belt cleaning
- ✓ Broiler removal support
- ✓ Efficient flock handling

SPECIFICATIONS

	Length	2700 mm
	Depth	1600 mm
	Height	820 mm
	Movement area	432 cm ²
	Birds/section	100

APPLICATIONS



Layer breeder operations



Broiler breeder operations



Hatching egg production

BREEDER CAGE

IX-BR50 / IX-BR40



OVERVIEW

An integrated breeder system created for stable flock management, secure egg movement and repeatable daily performance.

SEO DESCRIPTION

IXORTA breeder poultry cage solutions support hatching egg operations with controlled feeding, medicator-ready watering, egg transfer support and dry manure management for reliable breeder productivity.

KEY FEATURES

- ✓ Breeder-focused feeding
- ✓ Hatching egg transfer
- ✓ Medicator-ready watering
- ✓ Dry manure handling
- ✓ Project-based configuration

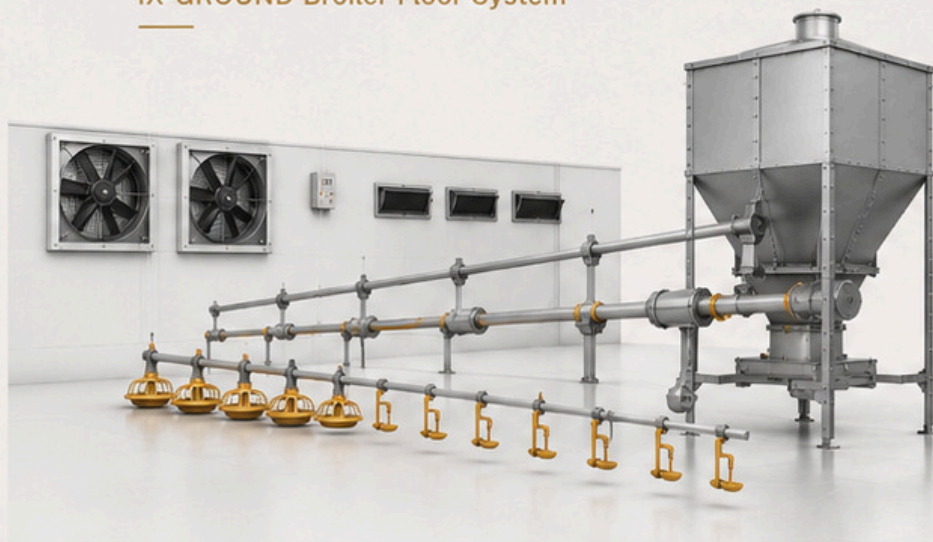
SPECIFICATIONS

IX-BR50		IX-BR40	
	Length	2700 mm	
	Depth	1200 mm	
	Height	820 mm	
	Movement area	648 cm ²	
	Birds/section	45	
	Dimensions	Project configured	
	Capacity	Project configured	
	Automation	Optional	



01 GROUND SYSTEM

IX-GROUND Broiler Floor System



OVERVIEW

A flexible floor-house solution for broiler farms requiring automatic feeding, controlled drinking, nipple drinking and ventilation-ready infrastructure for efficient poultry house projects.

SEO DESCRIPTION

IX-GROUND Broiler Floor System is a modular broiler floor production platform with automatic feeding, nipple drinking and ventilation-ready infrastructure for efficient poultry house projects.

KEY FEATURES

- ✓ Automatic feeding lines
- ✓ Nipple drinking system
- ✓ Ventilation integration
- ✓ Fast installation
- ✓ Easy disinfection

SPECIFICATIONS

Dimensions	Project configured
Capacity	Project configured
Automation	Optional

APPLICATIONS

- ✓ Floor-based broiler production
- ✓ Project-specific poultry houses
- ✓ Modular farm expansions

02 FEED MILL FACTORY

IX-FEEDMILL



OVERVIEW

A modular feed production solution that brings raw material handling, mixing and automated process control into one scalable facility.

SEO DESCRIPTION

IX-FEEDMILL Feed Mill Factory provides scalable mash feed production for poultry and livestock operations, with automated control, quality-focused mixing and configurable 3, 5 and 10 ton production lines.

KEY FEATURES

- ✓ 3, 5 and 10 ton lines
- ✓ Automated control
- ✓ Mash feed production
- ✓ Batch consistency
- ✓ Scalable infrastructure

SPECIFICATIONS

Dimensions	Project configured
Capacity	Project configured
Automation	Optional

APPLICATIONS

- ✓ On-farm feed production
- ✓ Livestock feed plants
- ✓ Integrated poultry supply chains



AUTOMATION

EGG COLLECTION SYSTEMS

Full-automatic egg handling with synchronized belts, single-transfer movement, belt cleaning and dedicated electrical control.

**WATERFALL SYSTEM**

- Longitudinal belts collect eggs from every cage block and tier.
- Reducers and transmission components run all collection lines simultaneously.
- A single transfer to the stable horizontal conveyor helps minimize cracking.
- End brushes clean each belt before eggs reach the transfer system.
- Conveyor, elevator and fabric-belt reducers use first-class 1-1.5 HP motors.
- Dedicated control panel with motor circuits and start/stop switches.
- Protected by Utility Model and Design Registration.

**LIFT SYSTEM**

- Longitudinal belts collect eggs from every cage block and tier.
- Reducers and transmission components run all collection lines simultaneously.
- A single transfer to the stable horizontal conveyor helps minimize cracking.
- End brushes clean each belt before eggs reach the transfer system.
- Conveyor, elevator and fabric-belt reducers use first-class 1-1.5 HP motors.
- Dedicated control panel with motor circuits and start/stop switches.

WATERING EQUIPMENT

NIPPLE DATA

Material, installation and flow specifications for the principal nipple configurations.

**METAL NIPPLE**

- 10 mm AISI 304 stainless-steel body.
- Tapered self-threading connection; bottom-to-top installation without pre-cutting a thread.
- 8 mm installation hole.
- Flow outputs: 0-60 and 0-80 ml/min.

**METAL NIPPLE FLEX 360°**

- 10 mm AISI 304 stainless-steel body.
- 360-degree multidirectional operation for broiler applications.
- Tapered self-threading connection; 8.8 mm installation hole.
- Flow outputs: 0-60 and 0-80 ml/min.

**PLASTIC NIPPLE**

- Hard-plastic body with AISI 304 stainless-steel internal parts.
- Up/down operation for layer hens; 10 mm wrench flat.
- Tapered self-threading connection; 8.8 mm installation hole.
- Flow outputs: 0-70 and 0-80 ml/min.

**NIPPLE K FLEX 360°**

- Hard-plastic body with AISI 304 stainless-steel internal parts.
- 360-degree multidirectional operation for broiler applications.
- 10 mm wrench flat; self-threading connection; 8.8 mm installation hole.
- Flow outputs: 0-90 and 1.00 ml/min.

WATERING EQUIPMENT

LINE COMPONENTS

Pressure control, drinking-line accessories and hygienic fittings for dependable poultry-house water delivery.



Water Matic pressure control

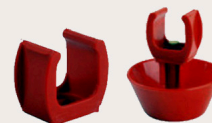
WATER MATIC

- Delivers incoming mains water to the required cage tier at suitable pressure.
- Supports vaccination and medication applications.
- Transparent housing enables visual inspection.
- Easy-clean construction supports hygienic operation.



NIPPLE FLEX 360°

- Hard-plastic body with AISI 304 stainless internals.
- 360-degree broiler operation; 14 mm wrench flat.
- 8.8 mm hole; self-threading connection.
- Flow outputs: 0-45 and 0.60 ml/min.



SPRING BOWL

- For chicks during the first 10 days.
- Push-fit or clamp installation on compatible nipples.
- Practical, hygienic automatic bowl.
- Closes automatically when filled.



PVS MUFF

- Connector for 22 x 22 mm square pipes.
- PVS construction.
- 19 mm muff with recommended 20 mm connection wire.



22 X 22 SQUARE PIPE

- Manufactured from PVC raw material.
- Smooth, bright internal and external surfaces.
- Available in 3 m and 6 m lengths.

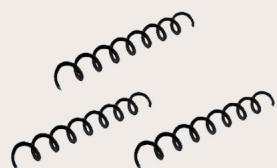
AUTOMATION

FEEDING SYSTEMS

Rapid, even and hygienic trolley distribution reduces overflow and feed waste across complete cage installations.

SYSTEM OVERVIEW

- Fully automatic and semi-automatic configurations are available.
- Rope-driven mechanisms use 0.75-2 HP motors.
- Galvanized buckets are bolted and riveted for durability.
- Spiral augers carry feed through 107- or 127-diameter pipes selected for silo and cage capacity.
- Feed-flow controls, switches, end connections and electrical panels coordinate operation.



FEED SPIRAL

High-tensile spiral conveying transfers feed through the delivery pipe and can be prepared to the required line length.



FEED BOX / PAN

A hygienic, flexible and impact-resistant feed pan designed for systems using 45 mm metal pipe.

AUTOMATION

MANURE DISCHARGE SYSTEM

Coordinated belt cleaning and external conveying support timely manure removal and a cleaner poultry-house environment.



CAGE-TIER BELT COLLECTION



EXTERNAL DISCHARGE CONVEYOR

OPERATING SEQUENCE**01**

Polypropylene belts collect manure beneath each cage tier.

02

Geared motors drive the belts toward the cage-line end.

03

Scrapers clean the belt and guide manure to the transfer point.

04

Rubber-covered rollers and protective curtains support controlled discharge.

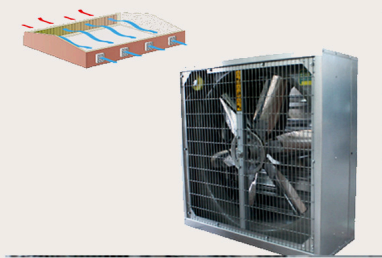
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The external conveyor removes manure from the poultry house.

CLIMATE CONTROL

VENTILATION AND COOLING

Project-configured air movement and evaporative cooling components for stable poultry-house climate control.



VENTILATION FANS

Winter-ventilation units are installed on the poultry-house side wall. Overall size: 96 x 96 cm. Each unit uses a 0.5 HP motor, stainless-steel blades and a six-propeller configuration.



AIR INLETS / WINDOWS

Side-wall-mounted inlets support winter ventilation and rapid opening and closing. Overall size: 61 x 37 cm.



COOLING PADS

Galvanized-steel or stainless-steel frames are available. Standard heights: 60, 75, 90, 100, 120, 150, 180 and 200 cm. Thickness: 10 or 15 cm. Length is project-specific.

FEED INFRASTRUCTURE

FEED SILO

Galvanized storage infrastructure engineered for weather protection, controlled feed flow and dependable farm operation.

**KEY FEATURES**

- Galvanized construction protects feed during long-term storage.
- 8.8-grade bolts, galvanized nuts, one-piece legs and cross-bracing support the structure.
- The 40-degree roof and cone geometry increase usable storage volume.
- An anti-drip ring limits rain and condensation at the cone.
- A protected exterior ladder supports inspection and maintenance.
- Round-head bolts inside the cone reduce feed accumulation.

**PROJECT CONFIGURATION**

Silo capacity, discharge geometry and conveyor connection are selected according to the poultry-house layout and feed demand.

IXORTA

ENGINEERED FOR PERFORMANCE

Plan your next poultry project with IXORTA.

Share your target capacity, house dimensions, climate conditions and automation requirements. IXORTA will prepare a project-ready machinery proposal for your farm or industrial facility.



PROJECT INQUIRY

Send product category, model preference, house dimensions, target bird count and destination country.



ENGINEERING PACKAGE

Request layout planning, automation scope, technical specification and export-ready configuration.



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REQUEST A QUOTATION

