



✓ *One-stop services* ✓ *Turnkey solutions* ✓ *15-20 years service life*

A type automatic

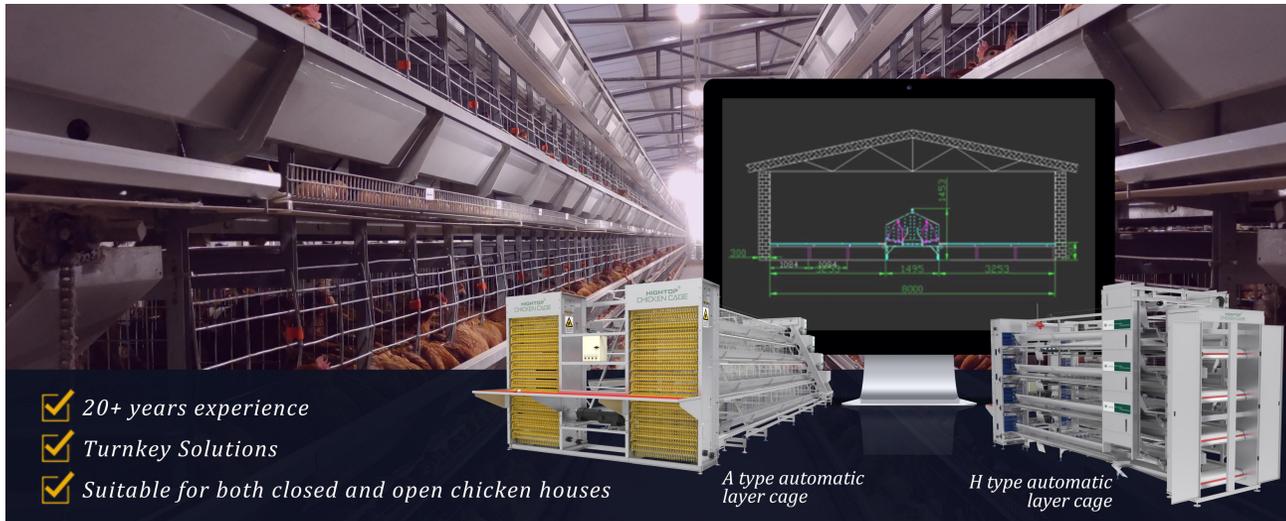


H type automatic

Jayanti Makmur Inti Perkasa x Hightop Layer Poultry

<https://www.alatternakayam.com>

CONTENTS



■ Company Introduction

■ Main Products

■ Service





1



COMPANY INTRODUCTION

FACTORY LOCATION



FACTORY 1: East of Pengjiazhuang village, Luancheng District, Shijiazhuang City, Hebei province

FACTORY 2: # Song village, gaocun Xiang, Zhengzhou city, Henan province

✈ Shijiazhuang Zhengding airport/ Zhengzhou Xinzheng airport

🚆 Shijiazhuang station/ Zhengzhou station

OFFICE 1: Room 2204, North Tower, Zhongheng Building, No. 28, Jianhua North Street, Chang'an District, Shijiazhuang, Hebei Province, China

OFFICE 2: 3 floor, Donghuaguoyue, Intersection of the East Second Ring Road and Huaian Road, Yuhua district, Shijiazhuang, Hebei Province

🏠 From Office to factory:

About 40 mins by car

SHOWROOM IN THE PHILIPPINES: Tanauan city, Batangas





Hightop is certificated by ISO 2019

COMPANY PROFILE



Laser cutting
machine
2 sets



Bending Machine
5 sets



**Automatic welding machine
12 sets (3+9)**



Automatic molding machine
5 sets



Assembly workshop and sample center



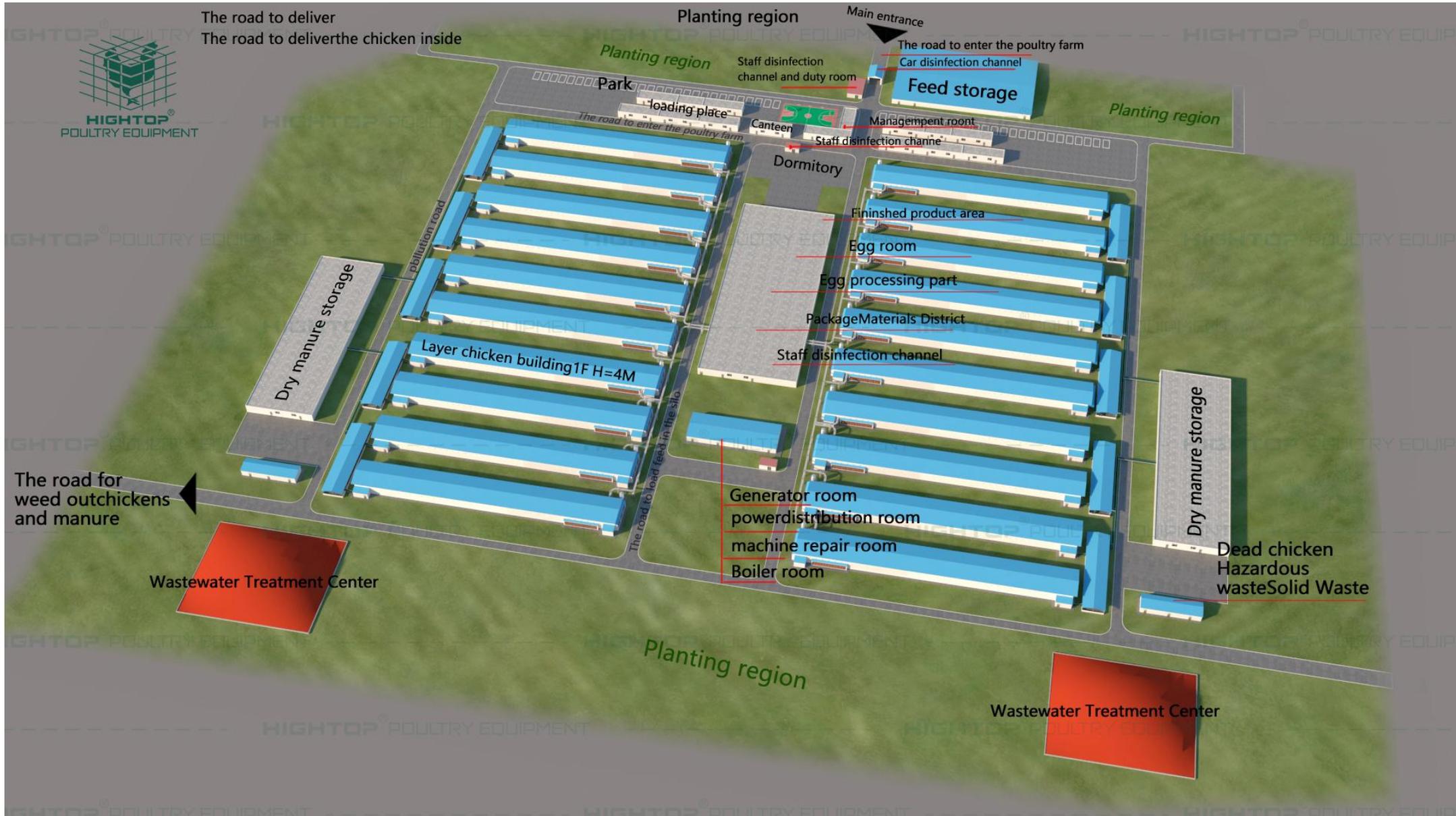
COMPANY PROFILE



Stock room



OVERALL DESIGN FOR A FARM



POULTRY HOUSE IN 3D VERSION



Open type chicken house

- Conventional cage
- Semi-automatic feeding machine
- Automatic manure cleaning (scraper type)



Open type chicken house

- A type auto cage
- Automatic egg collection
- Automatic feeding (gantry type)
- Automatic manure cleaning (scraper type)



Open type chicken house

- A type auto cage
- Automatic feeding (gantry type)
- Automatic manure cleaning (belt type)



Open type elevated chicken house

- A type auto cage
- Automatic egg collection
- Automatic feeding machine (stepped type)



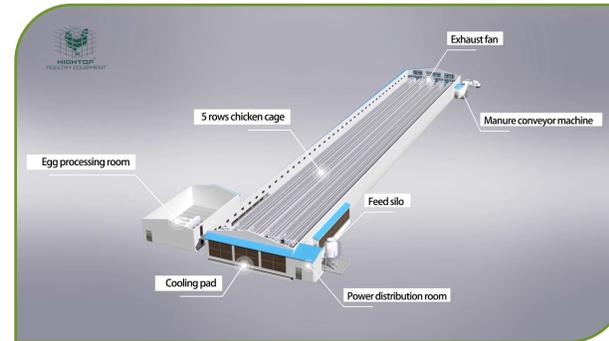
Open type chicken house

- H type auto cage
- Automatic egg collection
- Automatic feeding
- Belt type manure cleaning machine



Closed type chicken house

- A type auto cage
- Automatic egg collection
- Automatic feeding machine
- Automatic manure cleaning (scraper or belt type)



Closed type chicken house

- H type auto cage
- Automatic egg collection
- Automatic feeding
- Automatic manure cleaning (belt type)
- Automatic lighting
- Automatic environment control



Closed type chicken house

- H type auto cage
- Automatic egg collection with egg processing line
- Automatic feeding
- Automatic manure processing line
- Automatic lighting
- Automatic environment control

INSTALLATION VIDEO IN 3D VERSION



主机放倒
Put down the egg collection machine



清粪机门安装
Manure cleaning machine door installation

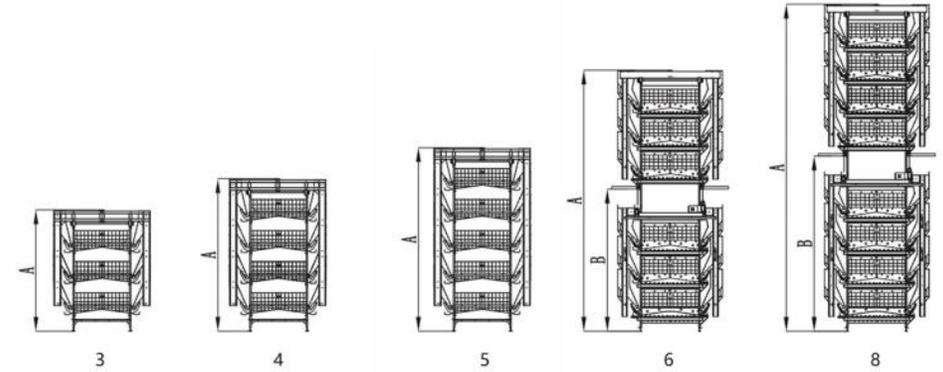


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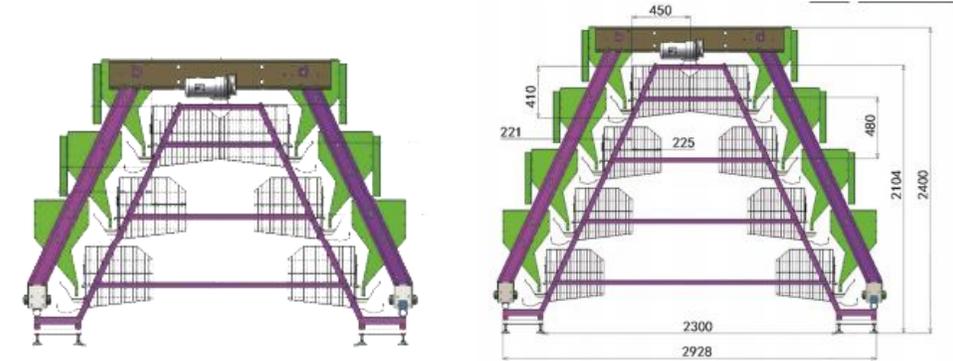
MAIN PRODUCTS

MAIN PRODUCT 1-- LAYER CAGE (H TYPE)



Tier	3	4
Capacity	120	160
Chicken quantity per building	10-22K	15-30K
Function	Hot dip/Marine grade cage system Automatic drinking & doser system (Below are Optional) Automatic feeding & silo system Automatic manure removal system Automatic egg collection system	

MAIN PRODUCT 1-- LAYER CAGE (A TYPE)



Tier	3	4
Capacity	120	160
Chicken quantity per building	10-22K	15-30K
Function	Hot dip/Marine grade cage system Automatic drinking & doser system (Below are Optional) Automatic feeding & silo system Automatic manure removal system Automatic egg collection system	

MAIN PRODUCTS--2. BORILER CHICKEN CAGE

1. Manual harvesting



2. Push and pull slat type automatic harvesting



3. Moving floor type automatic harvesting



Conversion: floor type to cage type

- 2-4 times more birds than floor type
Floor type: about 40000 birds
2 tier cage: 60000 to 80000 birds
- No ammonia, no flies
Daily manure cleaning gives clean and healthy air flow for chickens
- One-button solution
Feeding, drinking, manure cleaning, lighting, ventilation, bird-catching, etc are all fully automatic
- 1 person manage one farm
More reliable than manpower, and saves labor and time



H-type Full Automatic layer farm



Scale: **800K** layer chicken farm
40K/bldg, 20 bldgs in total
<https://720yun.com/t/f8vkbw8y51l>

Cage: 4 tier

4 buildings are from other supplier

16 buildings from Hightop

WHY CHOOSE HIGHTOP ?

1

GOOD RAW MATERIAL FOR MAIN BODY

2

GOOD DRIVING SYSTEM

3

GOOD ACCESSORIES OF COMPLETE SYSTEM

4

GOOD DESIGN

RAW MATERIAL—SURFACE TREATMENT

HIGHTOP:

275gsm Zn-Al-Mg sheet from Gansu Jiugang brand for all metal sheet

OTHERS :

275gsm Zn sheet all metal sheet from *unknown brand*

甘肃酒钢集团宏兴钢铁股份有限公司
Gansu Jiugang Group Hongxing Steel Co.LTD
生产地址: 甘肃省嘉峪关市雄关东路12号
No.12, Xionguan East Road, Jiayuguan City, Gansu Province, P.R.China

产品质量证明书
QUALITY CERTIFICATE

质量信息 APP下载

订货单位 Customer	陕西嘉利隆钢铁贸易有限公司	产品名称 Product	连续热镀锌铝镁钢带	总数 Total quantity	64.005吨/8件
收货单位 Purchaser	郑州国顺货物装卸服务有限公司	产品牌号 Product type	SC551D	车号 Carriage NO.	C70E 1691708
目的地 Destination	小李庄	执行标准 Specification	Q/JG 008-2021	资质证书编号 Certificate NO.	T240227012
签发日期 Date of Issue	2024-02-27	交货状态 Delivery condition	退火+热镀锌铝镁	合同号 Contract NO.	2402621050000

序号 No.	卷号 COIL NO.	炉号 HEAT NO.	厚度 THICK mm	宽度 WIDTH mm	件数 Pieces	净重 Mass t	包装方式 Packing	表面等级 Quality	钝化状态 Passivation	涂油 Oiling	光整 Passing	镀层符号 Coating mass	锌花结构 Spangle	C	Si	Mn	P	S	Rp0.2	Rm	A80	弯曲	锌层平均附着力
01	4C3222LN2B	B224201669	2	1250	1	7.995	精包三	FB	无铬耐指纹	不涂油	光整	C310	零锌花	0.04	0.03	0.17	0.011	0.007	263	362	39.5	合格	323.5
02	4D1832LN2B	B224301471	2	1250	1	8.000	精包三	FB	无铬耐指纹	不涂油	光整	C310	零锌花	0.04	0.03	0.11	0.006	0.004	265	365	38.5	合格	325.4
03	4D1833LN2C	B224301471	2	1250	1	8.050	精包三	FB	无铬耐指纹	不涂油	光整	C310	零锌花	0.04	0.03	0.11	0.006	0.004	265	365	38.5	合格	325.4
04	4D1834LN2A	B224301471	2	1250	1	8.020	精包三	FB	无铬耐指纹	不涂油	光整	C310	零锌花	0.04	0.03	0.11	0.006	0.004	270	366	37.5	合格	324.3
05	4D3095LN2A	B224301675	2	1250	1	7.995	精包三	FB	无铬耐指纹	不涂油	光整	C310	零锌花	0.05	0.04	0.17	0.012	0.006	275	363	37.5	合格	314.6
06	4D3113LN2A	B224301674	2	1250	1	7.990	精包三	FB	无铬耐指纹	不涂油	光整	C310	零锌花	0.04	0.04	0.19	0.013	0.008	283	377	34.0	合格	314.1
07	4D3122LN2B	B224201670	2	1250	1	7.980	精包三	FB	无铬耐指纹	不涂油	光整	C310	零锌花	0.04	0.04	0.13	0.009	0.005	265	364	38.5	合格	316.5
08	4D3132LN2B	B224101662	2	1250	1	7.975	精包三	FB	无铬耐指纹	不涂油	光整	C310	零锌花	0.04	0.06	0.14	0.012	0.003	285	379	26.5	合格	318.4
合计 TOTAL					8	64.005																	

1. 本质量证明书所列产品均按相应标准或技术协议检验合格。
2. 登陆网站 www.jiugang.com 或扫描二维码下载APP, 可进行证书防伪验证、异议问题反馈。
3. 钢钢400服务热线: 400-018-7005; 售后服务电话: 0937-6713969。
4. SCS系列产品, 镀层成分类型为: 11%Al-3%Mg-0.2%Si。
5. The products listed in this certificate of quality are qualified according to the corresponding standard or technical agreement.
6. Log in to web site www.jiugang.com or scan QR code to download the APP for verifying the authenticity of quality certificate, and objection feedback.
7. Jisco 400 customer service hotline: 400-018-7005; After sales service Tel(Fax): 0937-6713969.
8. SCS coating composition type: 11%Al-3%Mg-0.2%Si.

审核人: 于新成

甘肃酒钢集团宏兴钢铁股份有限公司

碳钢镀锌钢带
Hot Dip Zinc-Coated Coil

牌号 Steel Grade	SC551D	化学处理 Chemical Treatment	无铬耐指纹
标准 Standard	Q/JG 008-2024	涂油 Oiling	不涂油
卷号 Coil No.	4T10811N1C	产品等级 Quality Classification	FB
规格 Size, mm	2.00*1250*C	生产日期 Date	2024-09-10 10:01
净重 Net. WT, Kg	8025		
镀层种类 Type of Coating	锌铝镁		
锌花种类 Spangle	零锌花		
镀层重量 Coating Mass	138/137		
光整处理 Skin-pass Treatment	光整		

中国 甘肃 嘉峪关市雄关东路12号
No.12 East Xionguan Road, Jiayuguan City, Gansu Province, China

售后服务电话: 0937-6713969

RAW MATERIAL—SURFACE TREATMENT

HIGHTOP:

275 gsm Zn-Al from Tianjin Tianyangfa for cage

OTHERS :

275gsm zinc from unknown brand

产品名称: 10%-锌铝合金钢丝
产品规格: 3.0mm

证书编号: TYF-SJZCF-0510
报告日期: 2024-05-10

钢号: Q235

化学成分	C	Si	Mn	P	S
含量%	0.150	0.160	0.470	0.025	0.014

实测数据

编号	线径	抗拉强度	延伸率	上锌量	铝含量	表面质量	包装检验	检验结果
	mm	N/mm ²	%	g/m ²	%	—	—	—
—	±0.08	700-900	≥7	≥255	≥7	—	—	—
1	2.99	872	7.2	276	7.1	合格	合格	合格
2	2.98	857	7.2	269	7.1	合格	合格	合格
3								
4								
5								

编制: 邢祝

审核: 刘尊帅

审批: 周强



RAW MATERIAL—SURFACE TREATMENT

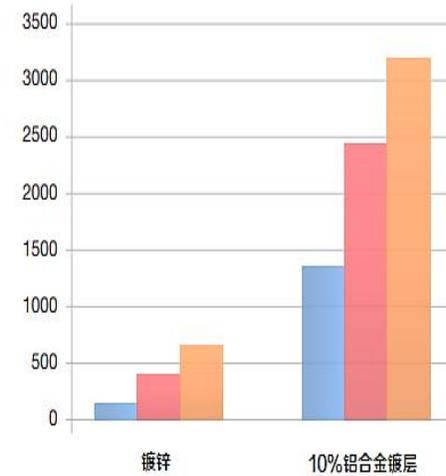
30+ years service life.

Advanced and mature welding process, specific current, temperature and welding time, better anti-corrosion effect.

Corrosion resistance **3** to **4** times better than galvanized wire

Salt Spray Test / 24h = 1year

Hot Galv.	336 h (Red Rust)
5% Al - Galv.	768 h (Red Rust)
10% Al - Galv.	3,500 h (No Red Rust)
11% Al + 3% Mg - Galv.	4,800 h (No Red Rust)

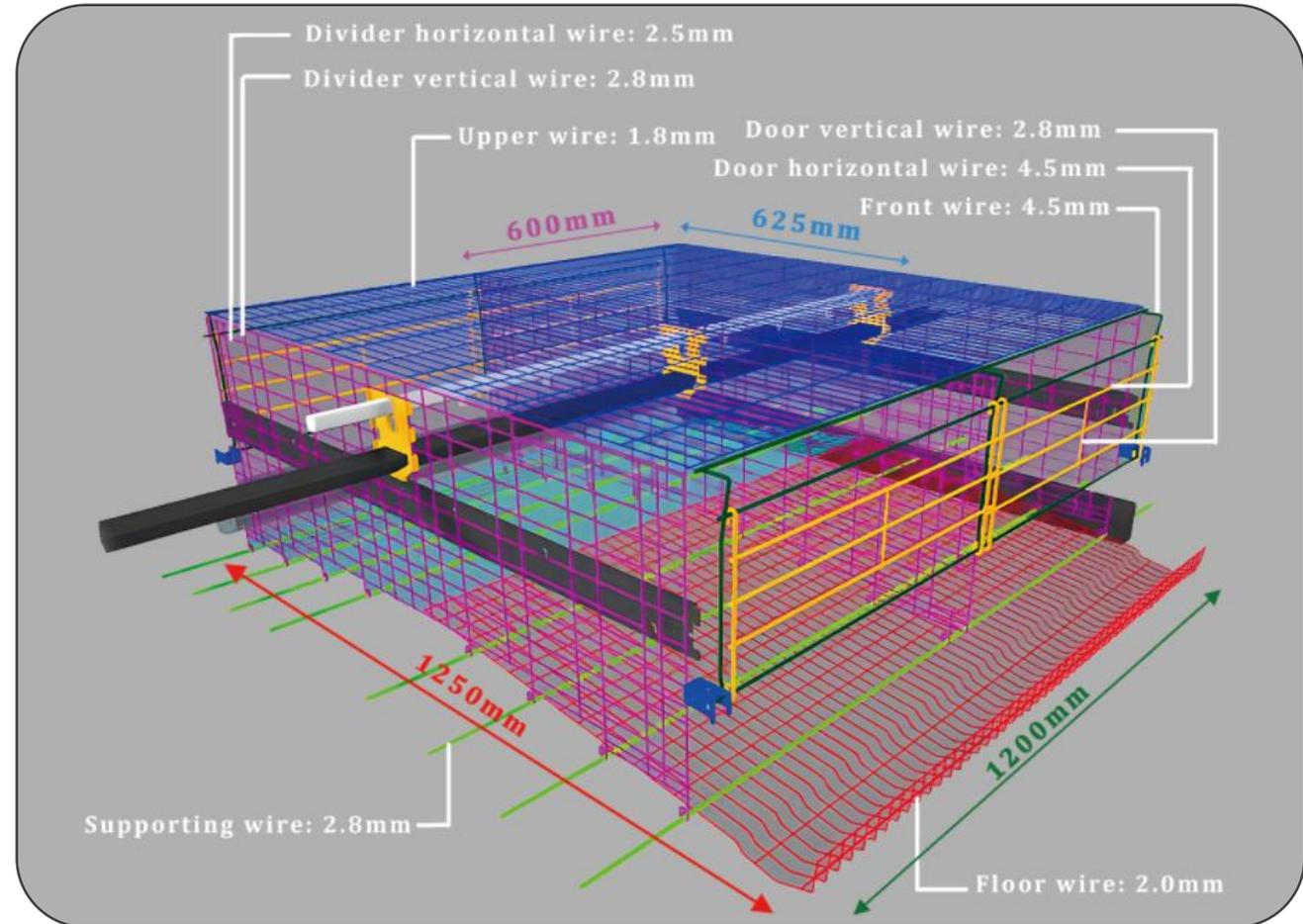
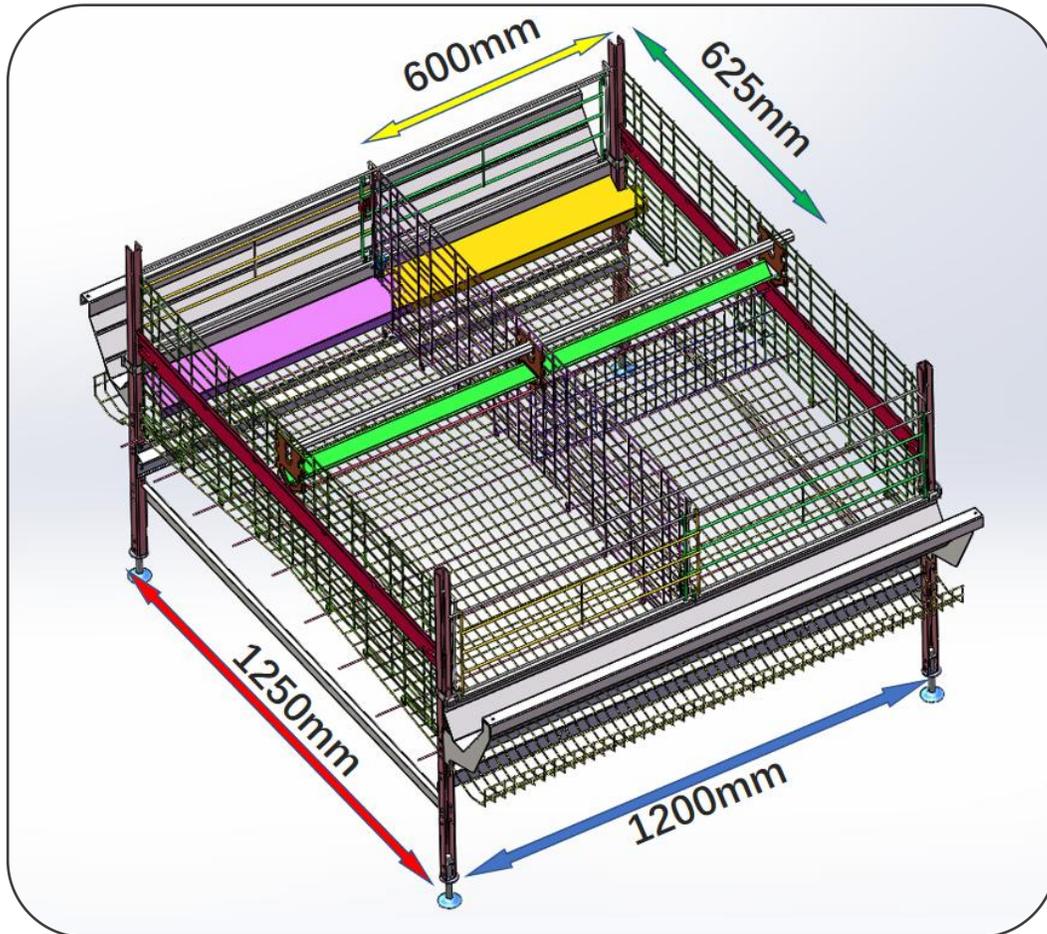


60 g/m ²	0.20 oz/ft ²
180 g/m ²	0.60 oz/ft ²
300 g/m ²	1.00 oz/ft ²

RAW MATERIAL—SUFFICIENT RAW MATERIALS

HIGHTOP: 60*62.5cm nest size, 8 birds per nest, 469sqcm per bird, bigger than International standard 450

OTHERS : Less than 450sqcm per bird



RAW MATERIAL—SURFACE TREATMENT

Metal sheet thickness of cage frame

HIGHTOP: 2mm

OTHERS : 1.8mm



Metal sheet thickness of feeder trough

HIGHTOP: 1mm

OTHERS : 0.8mm



THE MATERIAL, ACCESSORIES & DESIGN WE USE

Metal sheet thickness of manure cleaning machine body

HIGHTOP: 3mm

OTHERS : 2.5mm

Metal sheet thickness of egg collection machine body

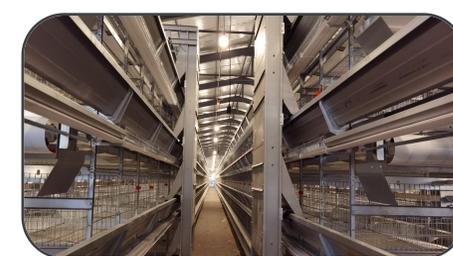
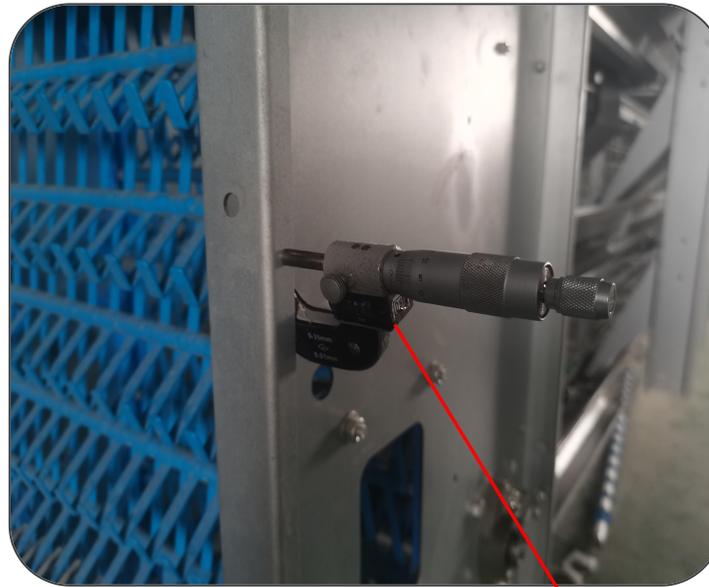
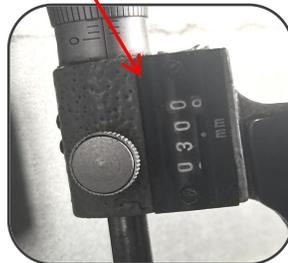
HIGHTOP: 2mm

OTHERS : 1.8mm

Metal sheet thickness of automatic feeding machine hopper

HIGHTOP: 1mm

OTHERS : 0.8mm



THE CORE COMPETENCE OF QUALITY—DRIVING SYSTEM

HIGHTOP: *WANSHSIN or Taili brand ,very durable*

OTHERS : *Unknown brand*

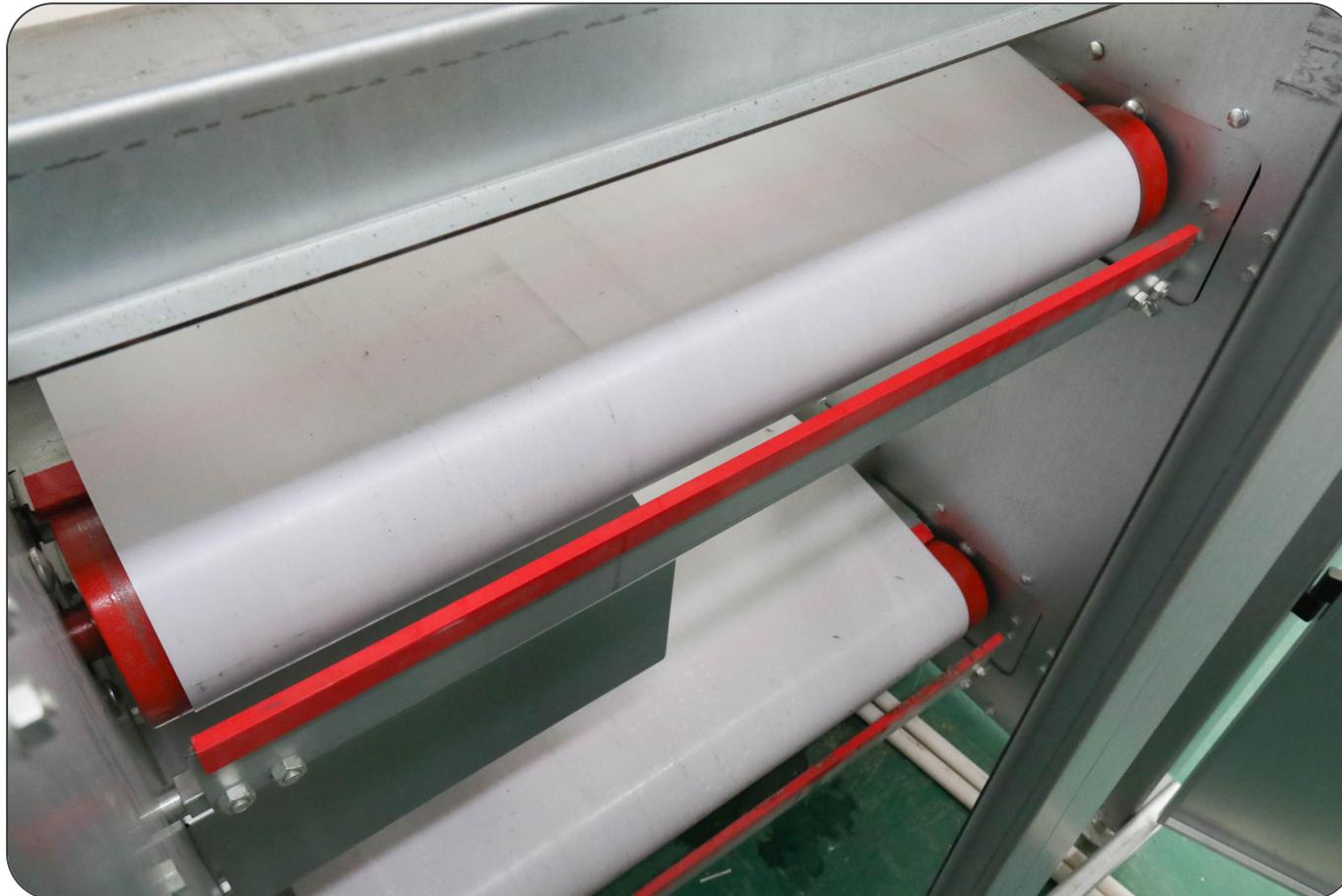


HIGHTOP:

1.2mm PP belt, tensile strength reach 40.6Mpa

OTHERS :

1.0mm PP belt



报告编号: A01790212300059

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检测结果汇总

序号	检测项目			检测方法	单位	技术要求	检测结果	单项结论
1	拉伸强度 (最大力)	常温	横向	GB/T 1040.3-2006	MPa	≥25	40.6	合格
			纵向			≥30	35.6	
2	拉伸伸长率 (最大力)	常温	纵向	GB/T 1040.3-2006	%	≥550	653	合格
			横向				777	
3	拉伸屈服 强度	常温	纵向	GB/T 1040.3-2006	MPa	≥20	27.0	合格
			横向				25.1	
4	直角撕裂强度		纵向	GB/T 529-2008	kN/m	≥120	152	合格
			横向				122	
5	低温弯折性			GB/T 328.15-2007	/	-40℃无 裂纹	纵向两块 横向两块 均无裂纹	合格
6	尺寸稳定性		纵向	GB/T 328.13-2007	%	±2.0	-0.6	合格
			横向				-0.5	
7	抗戳穿力			CJ/T 234-2006	N	≥450	498	合格
8	-70℃低温冲击脆化			GB/T 5470-2008	/	通过	通过	合格
9	硫酸 (10%)	拉伸强度 保留率	纵向	GB/T 1040.3-2006	%	≥80	96	合格
			横向				95	
		拉伸伸长 率保留率	纵向				101	
			横向				102	
屈服强度 保留率	纵向	97						
	横向	98						
10	氢氧化 钙 (10%)	拉伸强度 保留率	纵向	GB/T 1040.3-2006	%	≥80	102	合格
			横向				96	
		拉伸伸长 率保留率	纵向				105	
			横向				100	
屈服强度 保留率	纵向	100						
	横向	100						
11	氢氧化 钠 (10%)	拉伸强度 保留率	纵向	GB/T 1040.3-2006	%	≥80	100	合格
			横向				95	
		拉伸伸长 率保留率	纵向				98	
			横向				98	
屈服强度 保留率	纵向	98						
	横向	100						

THE CORE COMPETENCE OF QUALITY—TOP BRAND PARTNER

1) PP5(Polypropylene) egg belt:B=100 δ=1.2 mm

2) Stretched length : 2.7% (17900N)

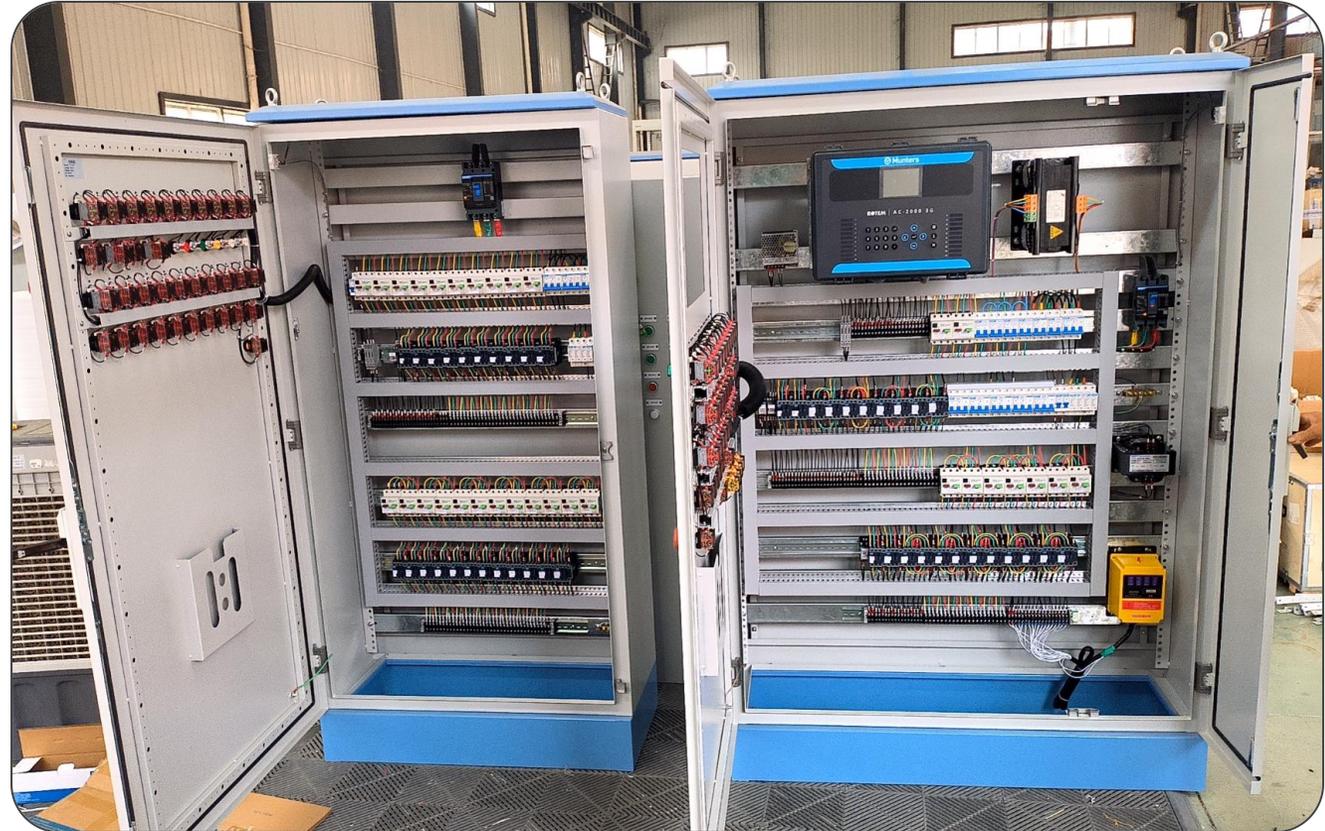


HIGHTOP:

Munter, High accuracy, guaranteed after sale

OTHERS :

Domestic brand



THE CORE COMPETENCE OF QUALITY—TOP BRAND PARTNER

HIGHTOP: French **dosatron**

OTHERS : **unknown brand**



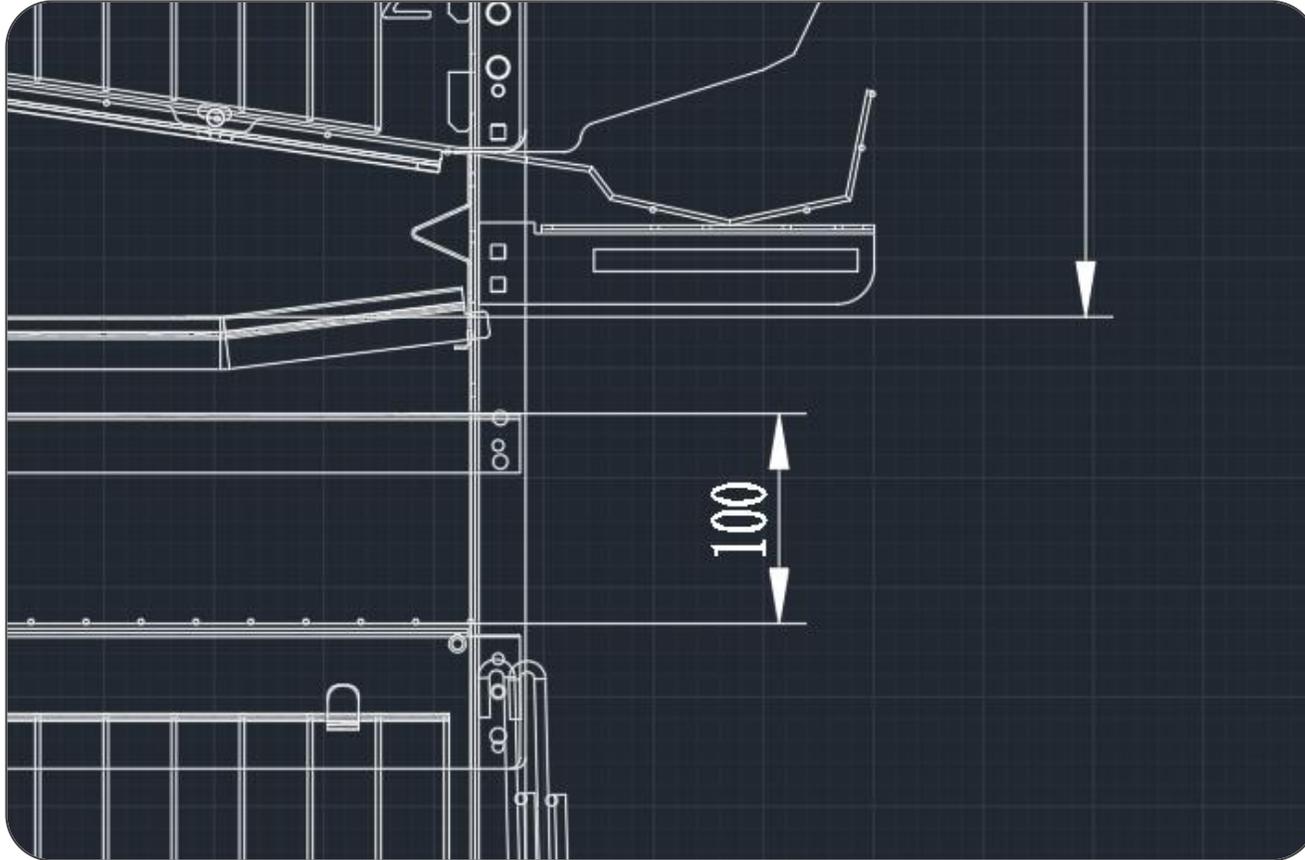
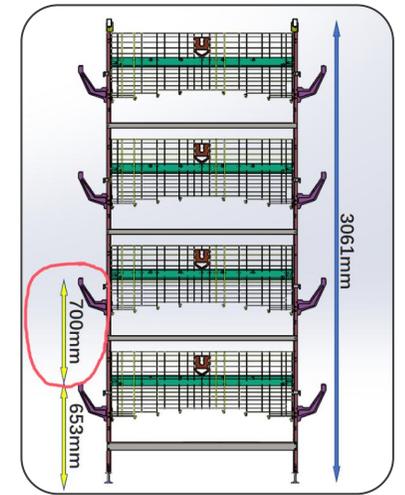
HIGHTOP: 2.8mm thickness

OTHERS : 2mm thickness

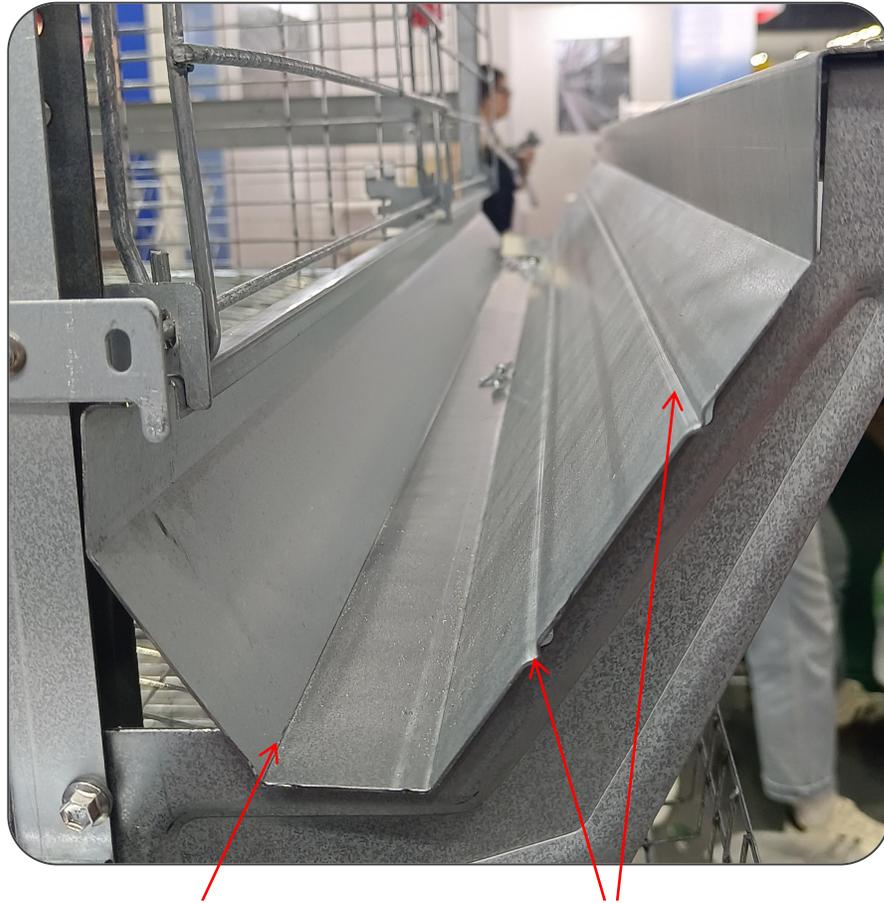


DESIGN-CAGE

- ◆ Top mesh, other supplier use manure belt instead of top mesh
- ◆ High distance ,100mm to belt
Chicken is not able to peck manure ; Good for ventilation



DESIGN-FEED TROUGH

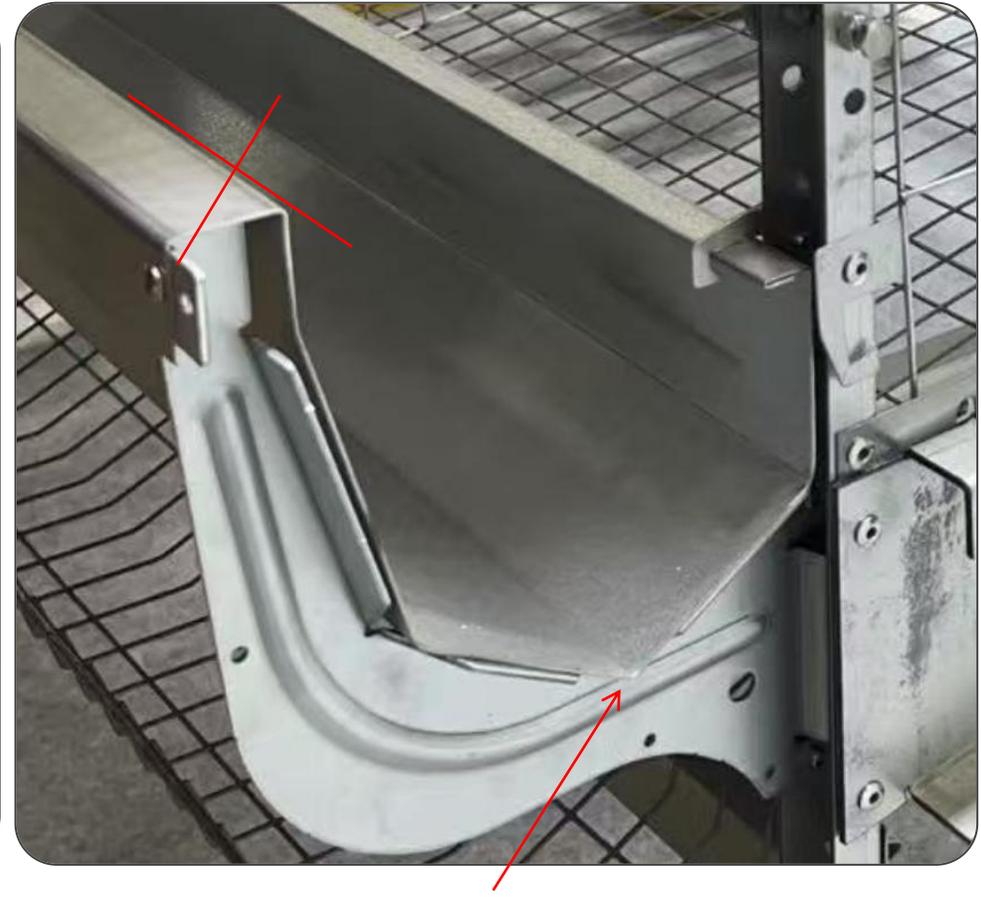


**Good angle, no
feed will be left**

**Good design,
stronger than slope
feed trough**



no hurt for people



**V type is not easy to clean completely,
easy to get rust**

DESIGN-FEEDING MACHINE

- ◆ Install scale, same feed for all trough and finish at same time
- ◆ No feed wasted at feed trough ,all feed will be back to chicken area.
- ◆ Closed hopper, with observation window,no dust and more clean



DESIGN-EGG COLLECTION MACHINE

- ◆ Egg direction guide device, avoid eggs get crowded, reduce egg broken rate
- ◆ Soft-shelled eggs filter: Soft eggs drop on the tray, ensure the belt and machine are clean.
- ◆ L clip, one time for one egg, no crack, reduce egg broken rate; better for ventilation





3



SERVICE



WEAR PARTS BACKUP

*Wearing parts : Initially we will send spare parts for free with container;
If need spare parts in future, need charge spare fee and shipping fee*

Motor Spare parts

Item	Power(KW)	Qaunity
Motor of Elevator	0.75	1
Motor of Egg collection belt	0.37	1
Motor of vertial manure cleaning belt	1.5	1
Motor of horizontal manure cleaning belt	2.2	1
Motor of auger	1.1	1
Motor of exhaust fan	1.1	1
Motor of air inlet window	0.55	1
Motor of deflector	0.55	1
Motor of water pump	0.75	1
Motor of lighting	0.07	1

2. Wearing parts: Free and enough quantity

Spare parts for machines	
Item	Quantity
6205 deep groove ball bearing stainless steel	1
6205 bearing oil seal	1
FL204 bearing	1
FL205 bearing	1
FL206 bearing	1
10A chain (including joint)	1
12A chain (including joint)	1
45 torsion spring	1
Motor of water pump	1
75 torsion spring	1

Spare parts for controller	
Item	Quantity
Thermal switch	1
Contactor	1
Button	1
Temperature sensor	1
Humidity sensor	1

Other Spare parts	
Item	Quantity
Nipple	/
Sensor for feeding machine	/
connector of pipe	/
clips for egg collection machine	/
/	/

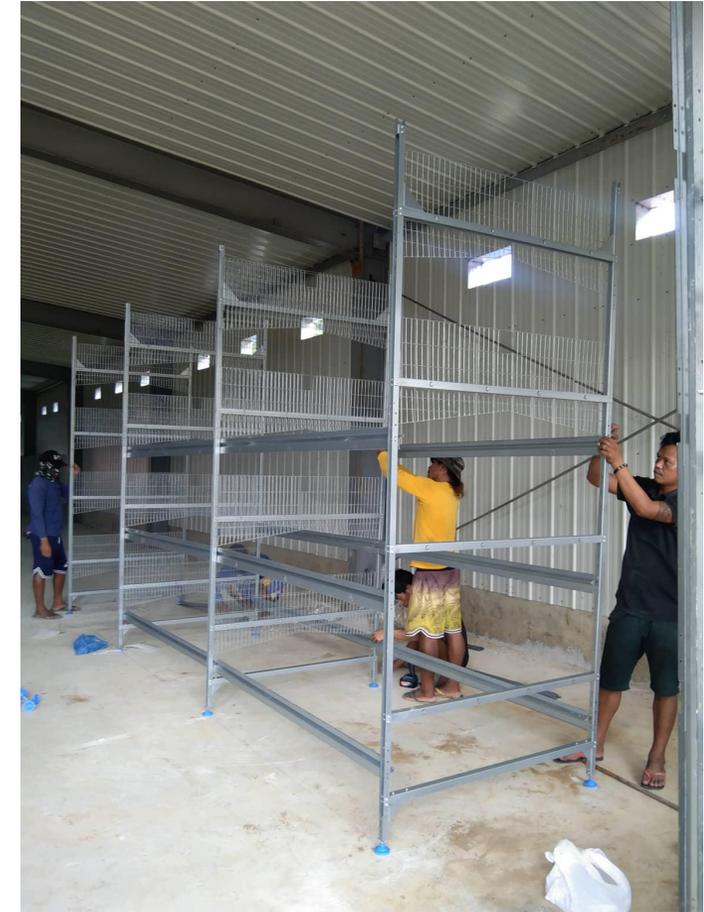
Equipment Installation Tools List					
No	Product Name	Picture	Specification	Unit	Qty
1	Open-end wrench 开口扳手		8-10	PC	2
2			12-14	PC	2
3			13-15	PC	2
4			16-18	PC	2
5			17-19	PC	2
6			19-22	PC	2
7	Pincer pliers 钢丝钳		200mm,8inch	PC	2
8	Scissor for PVC pipe PVC剪刀		42mm	PC	2
9	Flat screwdriver 平口螺丝刀		6*150	PC	2
10	Cross-screwdriver 梅花螺丝刀		6*150	PC	2
11	Metre ruler 卷尺		5m*19mm	PC	2
12	Steelsaw 钢弓		12inch	PC	1

Installation tools:
Free and complete

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Installation guide :
3D installation video & Installation manual



Local installation team:
Cheaper and easy communication

USER GUIDES & DAILY MAINTENANCE GUIDES

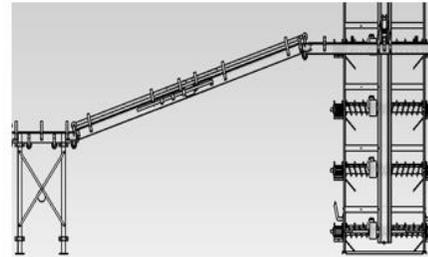
设备列表 Device List	故障现象 Fault phenomenon	排除方法 Method of exclusion	设备列表 Device List	故障现象 Fault phenomenon	排除方法 Method of exclusion
	链条运转时在驱动轮后面堆积，运行一会又正常了。 The chain piled up behind the drive wheel when it was running, and it ran normally again after a while.	链条松，需要拆卸2-3个链扣。 If the chain is loose, you need to cut 2-3 chain buckles.		显示重量不准，来回波动较大 The display weight is not accurate, and the fluctuation back and forth is large	1.及时检查有无外力接触料塔。 2.外界刮风、下雨会引起传感器重量显示波动，正常。 1. Check in time whether there is external force contacting the material tower. 2. The outside wind and rain will cause the sensor weight display to fluctuate.
	链条不动，电机运转不动，造成电机跳闸或保险丝熔断。（或者链条卡断） The chain does not move and the motor does not run, causing the motor to trip or the safety pin to break. (or the chain is stuck)	检查各个转角轮位置，是否卡在异物。 Check the position of each corner wheel to see if foreign objects are stuck.	称重料塔 Weighing silo	屏幕蓝屏或供电无显示 The screen is blue screen or no display after power on	1.检查通讯线缆是否松动。 2.检查供电电压是否正常。 3.检查是否因雷击损坏。 1. Check whether the communication cable is loose. 2. Check whether the power supply voltage is normal. 3. Check whether it is burned out due to lightning strike.
	链条运转时震动严重（特别是在转角轮部分） The chain vibrates severely when running (especially in the corner wheel part)	1.检查食槽连接部分的压板螺栓，有无松动引起链条造成震动。 2.检查电机架脚垫是否磨损导致螺栓不在链条。 1. Check the pressure plate bolts of the		称重仪表显示加料数量跟实际误差太大 The weighing instrument	料塔清洗后按说明书重新校准称重系统。 The weighing instrument

Troubleshooting sheet

User guides

Egg collection line transmission chain maintenance tips:

- ①The transmission chain of the egg collection line needs to be filled with oil (GB/T314-1994 guide rail oil) once a month;
- ②If you find that the transmission chain of the egg collection line is deformed, it needs to be replaced immediately. Parts with transmission friction need to be lubricated and refueled once a month.



Mechanical System 机械系统

● General precautions:

1. Cut off the power before maintenance of the system;
2. During the cleaning process, electrical components, electric control boxes, etc. must be protected from splashing water;
3. When choosing detergents and disinfectants, it is necessary to consider the corrosion of the equipment;
4. In order to reduce corrosion, maximum ventilation should be used after washing to accelerate drying.

● Accident prevention instructions:

Before operating, cleaning, maintaining or replacing parts, all personnel must pay attention to:

1. The person in charge must be a trained and qualified person;
2. Fully consider possible risks before operation;
3. The correct accident prevention regulations and management system should be learned.

Daily equipment maintenance



Thank You!

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