

The 20Cattle and 50Pig Per Day Abattoir Project Proposal



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I、Cattle/Pig Abattoir Project Brief Introduce

1.1 Cattle/Pig abattoir main data

- 1). Design capacity:
 - ✓ Cattle abattoir unit -----20cattle /shift
 - ✓ Pig abattoir unit -----50pigshift
- 2). Design religion-----Normal
- 3). Cattle and pig abattoir plant out size (L*W*H)-----45*24*6M
- 4). Deliver period in China -----40Days
 - ✓ The delivery as per buyer' s down-payment value have been received in China
- 5). Installation and debugging technicians-----2Person
- 6). Installation and debugging period-----30Days
- 7). Voltage rating-----380V / 3P / 50HZ
- 8). Electric consumption-----70Kw/Hour
- 9). Water consumption-----50Ton/Shift
- 10). Slaughterhouse Worker-----20Person/Shift
- 11). Auxiliary equipment remark:
 - ✓ Electric cable-----Not included in quotation
 - ✓ Hot water equipment-----Not included in quotation
 - ✓ Refrigeration equipment for freezing-----Not included in quotation
 - ✓ Waste water equipment-----Not included in quotation
 - ✓ Blood treated equipment-----Not included in quotation

1.2 Quality standard: the equipment are in compliance with the related ISO9001: 2008 standard

1.3 Deliver Items: FOB

- ✓ Loading port: Qingdao port of China

1.4 Transportation way: Complete cattle and pig abattoir equipment need one pieces 40GP and one piece 20GP containers for transportation by sea

1.5 Packaging standard: original factory packaging loading in container

1.6 Payment way: the total invoice value will be payment as two time, the detail as following:

- ✓ The down-payment 40% of total invoice value will be payment within 10days from sale contract signature date through telegraphic transfer
- ✓ The rest 60% of total invoice value will be payment through telegraphic transfer before all equipment deliver from Qingdao port of China, meanwhile the seller party will invite buyer send one representative come to factory for equipment checking before loading into container for shipment

1.7 Quality guarantee: the quality guarantee period of all equipment are 12 months since the date when the installation and debug have been complete, the equipment are made available to buyer and signature is made on the buyer' s completed bill.

1.8 Machinery maintaining: The seller will appoint one well skilled technician go to maintain the equipment for five workdays for buyer per each 6 month within Quality Guarantee Period, the buyer charge the accommodation and round-trip air tickets of technician, the salary of technicians charge free.

1.9 Installation and debugging remark:

- ✓ The total quotation have include equipment installation and debugging direction salary and not include international round-trip air tickets、 accommodation and transport cost of technicians in buyer country
- ✓ The installation & debugging time will be postponed caused by buyer which make equipment can' t installation in time, the buyer should payment salary to technicians \$100 us dollar per technicians per shift for postponed time

II、Cattle/pig abattoir equipment price list:

No.	Items	Model	Unit	Qty
2.1、Living cattle killing and bleeding equipment unit				
1.1	Living cattle fixed killing box	QE-C103-II	Set	1
1.2	Cattle carcass vertical hoist	QE-C109-I	Set	1
1.3	Cattle carcass bleeding manual convey rail	QE-C110-II	M	12
1.4	Cattle bleeding shackle	QE-C114	Set	5
1.5	Cattle carcass electric transfer hoist	QE-C201-II	Set	1
1.6	Cattle carcass re-hanging platform	QE-205-I	Set	1
1.7	Hoof sliding chute	QE-C206	Set	1
2.2、Cattle carcass processing equipment unit				
2.1	Cattle carcass processing manual convey rail	QE-C110-II	M	23
2.2	Tube rail pulley hook	QE-C238-I	Set	20
2.3	Cattle carcass breast skinning platform	QE-C211-I	Set	1
2.4	Cattle skinning elevator	QE-C214-II	Set	2
2.5	Cattle skin transfer trolley	QE-C216-II	Set	1
2.6	Cattle fore legs fixed and breast opening platform	QE-C215-II	Set	1
2.7	White and red viscera removed platform	QE-C221-II	Set	1
2.8	Cattle white and red viscera sliding chute	QE-C223-I	Set	1
2.9	Cattle white and red viscera collection trough	QE-C223-IV	Set	1
2.10	By-products and viscera cleaning and packaging table	QE-C224-III	Set	3
2.11	Head and red viscera transfer trolley	QE-C229-I	Set	1
2.12	Cattle carcass splitting elevator	QE-C233	Set	1
2.13	Cattle carcass band splitting saw	QE-C230-I	Set	1
2.14	Band splitting saw sterilizing	QE-C230-III	Set	1
2.15	Cattle hind legs separated device	QE-C232	Set	1
2.16	Carcass inspect and trimming and cleaning platform	QE-C221-VI	Set	1
2.17	Carcass manual cleaning machine	QE-C236-III	Set	1
2.18	Carcass rail weight system	QE-C235	Set	1
2.19	Standard trolley	QE-L123	Set	4
2.3、Pig killing and bleeding equipment unit				
3.1	Living pig stunning box	QE-P105	Set	1
3.2	Living pig manual stunning device	QE-P106-I	Set	1
3.3	Pig bleeding slope lifting machine	QE-P109-I	Set	1
3.4	Pig bleeding manual convey rail	QE-P110-III	M	8
3.5	Pig bleeding shackle	QE-P111	Set	10
3.6	Carcass mechanical unloading device	QE-P115-I	Set	1
3.7	Idle bleeding shackle convey rail	QE-P110-IV	M	7
2.4、Pig carcass processing equipment unit				
4.1	Pig carcass processing manual convey rail	QE-P117-III	M	18
4.2	Tube rail pulley hook	QE-P506	Set	20
4.3	Pig carcass electric scalding tank	QE-P201-I	Set	1
4.4	Pig carcass hydraulic dehairing machine	QE-P209-I	Set	1
4.5	Carcass hair trimming collection table	QE-P212	Set	1
4.6	Pig carcass slope lifting machine	QE-P401-I	Set	1

4.7	Carcass remnant hair scrapping platform	QE-P511-III	Set	1
4.8	Carcass white and red viscera evisceration platform	QE-P511-VI	Set	1
4.9	White and red viscera sliding chute	QE-P408	Set	1
4.10	Pig viscera collection trough	QE-P608-I	Set	1
4.11	Viscera inspection and packaging table	QE-P610	Set	3
4.12	Red viscera transfer trolley	QE-P613	Set	1
4.13	Carcass trimming and cleaning platform	QE-P511-X	Set	1
4.14	Half carcass manual washing machine	QE-P504-I	Set	1
4.15	Standard trolley	QE-L123	Set	4
2.5、Cattle & pig chilling and quarter carcass cutting equipment unit				
5.1	Cattle and pig carcass manual convey rail	QE-C301-II	M	245
5.2	Tube rail pulley hook for cattle carcass	QE-C238-I	Set	50
5.3	Tube rail pulley hook	QE-P506	Set	200
5.4	Quarter carcass slope lifting machine	QE-C302-I	Set	1
5.5	Quarter carcass slope unloading machine	QE-C302-II	Set	1
5.6	Quarter carcass reciprocating cut saw (Original: Germany)	QE-C303-II	Set	1
5.7	Quarter carcass cut saw sterilizing device	QE-C303-III	Set	1
5.8	Cattle and pig carcass delivery descend machine	QE-C305-II	Set	1
2.6、Cattle & pig installation material and auxiliary equipment unit				
6.1	Equipment main support and hanging material	QE-C403	Ton	16
6.2	Equipment installation auxiliary material and accessories	QE-C404	Ton	2
6.3	Screw air compressor(0.8Mpa-11Kw)	QE-L302-I	Set	1
6.4	Livestock abattoir installation tool	QE-L126	Ton	1

I、 The cattle & pig abattoir equipment specification:

2.1、 Living cattle killing and bleeding equipment unit

1.1 Living cattle fixed killing box-----1Set

Model: QE-C103-II

Which main used to limited the living cattle head for stunning and installation on floor with expansion screw bolt, main data as following:

- 1)-Design principle: pneumatic
- 2)-Max capacity: 60cattle per hour
- 3)-Work pressure:0.6-0.8Mpa
- 4)-Air consume: 630L/ Time
- 5)-Components and material:
 - ✓ Hot galvanized main structure
 - ✓ Cattle entrance push device
 - ✓ Cattle collection grid plate
 - ✓ Head clamping device
 - ✓ Side door lifting device
 - ✓ Bottom overturn plate device
 - ✓ Aluminum alloy cylinder
 - ✓ Pneumatic control box
 - ✓ Poly-amide plate



1.2 Cattle carcass vertical hoist-----1Set

Model: QE-C109-I

Which main used to lift cattle carcass from collection grid to over head rail for killing and bleeding, main data as following:

- 1)-Rate voltage/Frequency/Phase: 380V/50HZ/3P
- 2)-Power: 3Kw
- 3)-Hoisting ability: 2000kg
- 4)-Lifting height:6M
- 5)- Lifting speed:8m/min
- 6)-Max capacity: 40 Heads per hour
- 7)-Component and material:
 - ✓ Electric hoist
 - ✓ Automatic hanging device
 - ✓ Heavy hook
 - ✓ Low pressure control switches



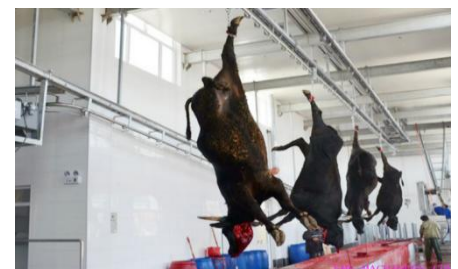
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1.3 Cattle bleeding manual convey rail-----12M

Model: QE-C110-II

Which main used to hang cattle over head and manual convey for bleeding, main data as following:

- 1)-Rail Height: 4.2-5m
- 2)-Capacity: 10 Heads per hour
- 3)-Component and material:
 - ✓ Hot galvanized 12# double channel steel
 - ✓ Hot galvanized special hanger
 - ✓ φ60*4mm stainless steel orbit
 - ✓ Hot galvanized hanger, Distance 600mm

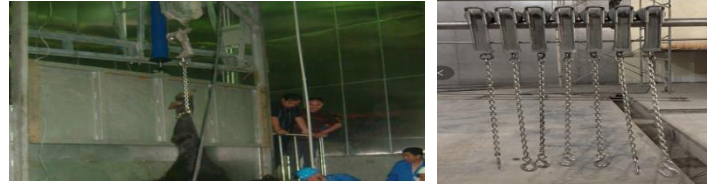


1.4 Cattle bleeding shackle-----5Sets

Model: QE-C114

Which main used to tie cattle feet and hang on convey rail for bleeding, main data as following:

- 1)-Length: 1000mm
- 2)-Max loading weight: 2000kg
- 1)-Component and material:
 - ✓ Hot galvanized hanger and roller
 - ✓ stainless steel shackle

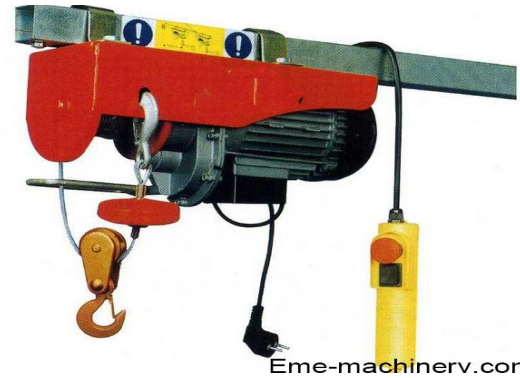


1.5 Cattle carcass electric transfer hoist-----1Set

Model: QE-C201-II

Which main used to lift cattle carcass from bleeding convey rail to carcass processing convey rail, main data as following:

- 1)-Rate voltage/Frequency/Phase: 380V/50HZ/3P
- 2)-Power: 1.5Kw
- 3)-Lifting height:4M
- 4)-Lifting speed:8m/min
- 5)-Max capacity: 45 Heads per hour
- 1)-Component and material:
 - ✓ Electric hoist
 - ✓ Limit device
 - ✓ Low pressure control switches
 - ✓ Hoisting ability: 1000kg
 - ✓ Hot galvanized steel main frame



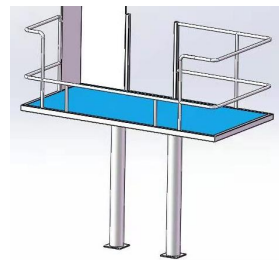
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1.6 Cattle carcass re-hanging platform-----1Set

Model: QE-C205-I

Which main used to fixed under over head convey rail for cattle head, horn and fore hooves removed, main data as following:

- 1)-Out size: 2000X1000X2000mm (LXWXH)
- 2)-Component and material:
 - ✓ ϕ 159mm hot galvanized steel pipe support
 - ✓ 60*40*2mm hot galvanized steel frame
 - ✓ 25mm Anti-skid plastic square
 - ✓ stainless steel ladder and handrail
 - ✓ One set knife sterilizing device



1.7 Hoof sliding chute-----1Set

Model: QE-C206

Which main used to hind hooves slides down from the high position to the standard trolley for belt conveyor, main data as following:

- 1)-Out size: ϕ 350X2400mm(DXL)
- 2)-Thickness :2mm
- 3)-Material: stainless steel



2.2、 Cattle carcass processing equipment unit

2.1 Cattle carcass processing manual convey rail-----23M

Model: QE-C217-II

Which main used to manual convey cattle carcass for breast skinning, skin removed,breastbone cutting, evisceration ,half carcass splitting ,carcass inspection , trimming ,cleaning and so on, main data as following:

- 1)-Rail Height: 3.6m
- 2)-Max capacity: 30 Heads per hour
- 3)-Component and material:



- ✓ Hot galvanized steel 12# double channel steel
- ✓ φ60*4mm stainless steel orbit
- ✓ Hot galvanized hanger, Distance 600mm
- ✓ Connecting bolt

2.2 Tube rail pulley hook-----20Sets

Model: QE-C238-I

Which main used to hang cattle carcass for slaughtering process, main data as following:

- 1)-Weight: About 3.78kg
- 2)-Out Size: 480X80X70mm (LXWXH)
- 3)-Tube Diameter: 40-60mm
- 4)-Carrying Capacity: 1500Kg
- 5)-Component and material:
 - ✓ stainless steel precision casting hanger
 - ✓ H225 refined steel casting,surface hot galvanized
 - ✓ φ22mm stainless steel hooks
 - ✓ Roller with 2pcs sealed bearings

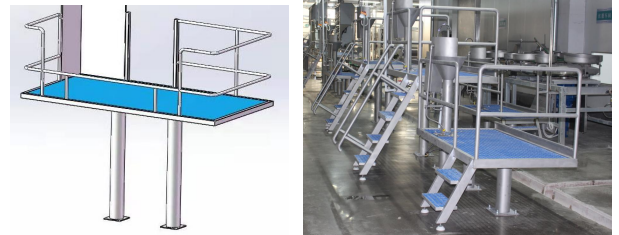


2.3 Cattle carcass breast skinning platform-----1Set

Model: QE-C211-I

Which main used to assist workers convenient to brisket skinning, main data as following:

- 1)-Out size: 2000X1000X2000mm (LXWXH)
- 2)-Component and material:
 - ✓ φ 159mm hot galvanized steel pipe support
 - ✓ 60*40*2mm hot galvanized steel frame
 - ✓ 25mm Anti-skid plastic square
 - ✓ stainless steel ladder and handrail
 - ✓ One set hand washing and knife sterilizing device



2.4 Cattle skinning elevator-----2Sets

Model: QE-C214-II

Which main used to support staffs assistant skin puller to removed skin from carcass, main data as following:

- 1)-Out size: 1000X800X3800mm (LXWXH)
- 2)-Lifting height:1600mm
- 3)-Work pressure:0.6-0.8Mpa
- 4)-Air consume: 185L/Time
- 5)-Elevating ability: 125Kg
- 3)-Component and material:
 - ✓ stainless steel main support pillar
 - ✓ 60*40*2mm stainless steel steel frame
 - ✓ 25mm Anti-skid plastic square
 - ✓ stainless steel ladder and handrail
 - ✓ stainless steel water receiving tray
 - ✓ Guide water column
 - ✓ Aluminum alloy cylinder
 - ✓ Pneumatic control system
 - ✓ Apron cleaning device
 - ✓ Hand washing and knives sterilizing device



2.5 Cattle skin transfer trolley-----1Set

Model: QE-C216-II

Which main used to collect and take the cattle skin from slaughter area to appoint area for further treatment, main data as following:

- 1)-Out size: 1000X600X300mm (LXWXH)
- 2)-Component and material:
 - ✓ 50*50*2mm stainless steel 304 frame
 - ✓ 2mm stainless steel 304 plate
 - ✓ 4pcs Strongly nylon wheel



2.6 Cattle fore legs fixed and breast opening platform-----1Set

Model: QE-C215-I

Which main used to fixed the fore legs with stainless chain to keep the carcass from moving during skin removed, assist workers convenient to cut breastbone, main data as following:

- 1)-Out size: 1000X800X1400mm (LXWXH)
- 2)-Component and material:
 - ✓ 80*80*2mm hot galvanized steel square tube
 - ✓ Hot galvanized steel checkered plate
 - ✓ stainless steel chain

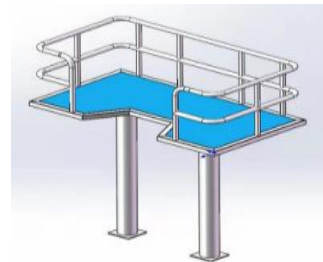


2.7 White and red viscera removed platform-----1Set

Model: QE-C221-II

Which main used to support worker evisceration white viscera, the detail data as following:

- 1)-Out size: 2000X1000X1350mm(LXWXH)
- 2)-Component and material:
 - ✓ φ 159mm hot galvanized steel pipe support
 - ✓ 60*40*2mm hot galvanized steel frame
 - ✓ 25mm Anti-skid plastic square
 - ✓ stainless steel ladder and handrail
 - ✓ Include one sent hand washing and knives sterilizing device



2.8 Cattle viscera sliding chute-----1Set

Model: QE-C223-I

Which main used to collection and slide to viscera collection trough the detail data as following:

- 1)-Out size: 2400X1200/750mm(LXW)
- 2)-Thickness :2mm
- 3)-Component and material:stainless steel



2.9 Cattle white viscera collection trough-----1Set

Model: QE-C223-IV

Which main used for collect cattle viscera for cleaning, main data as following:

- 1)-Out size: 4000*900*800mm (L*W*H)
- 2)-Depth:100mm
- 3)-Component and material:
 - ✓ 38*38*2mm 304 stainless steel square tube
 - ✓ 304 Stainless steel table-board
 - ✓ Drain hole
 - ✓ Stainless steel adjusting foot



2.10 By-products and viscera cleaning and packaging table-----3Sets

Model: QE-C223-IV

Which main used by products and viscera cleaning and packaging, the detail data as following:

- 1)-Out size: 1800X1000X900mm(LXWXH)
- 2)-Deep:100mm



3)-Component and material:

- ✓ 38*38*2mm stainless steel square pipe
- ✓ stainless steel table-board
- ✓ Drain hole
- ✓ stainless steel adjusting foot

2.11 Head and red viscera transfer trolley-----1Set

Model: QE-C229-I

Which main used to collection cattle red viscera and transfer to storage room, main data as following:

- 1)-Size:1500X800X1600mm(LXWXH)
- 2)-Capacity: 54pcs hanger
- 3)-Component and material:
 - ✓ 38*38*2mm stainless steel frame
 - ✓ 12mm stainless steel red offal hook
 - ✓ 1.5mm stainless steel bottom tray
 - ✓ 4pcs nylon roller(2pcs Omni-directional wheel)

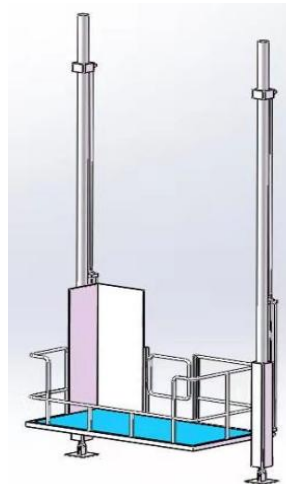


2.12 Cattle carcass splitting elevator-----1Set

Model: QE-C233

Which main used to support staffs for splitting and fixed on floor and connect with carcass convey rail, main data as following:

- 1)-Out size: 2000X1000X3800mm (LXWXH)
- 2)-Lifting height:1600mm
- 3)-Work pressure:0.6-0.8Mpa
- 4)-Air consume: 370L/Time
- 5)-Elevating ability: 250Kg
- 6)-Component and material:
 - ✓ Hot galvanized steel main support pillar
 - ✓ 60*40*2mm hot galvanized steel frame
 - ✓ 25mm Anti-skid plastic square
 - ✓ stainless steel ladder and handrail
 - ✓ stainless steel water receiving tray
 - ✓ Guide water column
 - ✓ Aluminum alloy cylinder
 - ✓ Pneumatic control system
 - ✓ Apron cleaning device
 - ✓ Hand washing and knives sterilizing device

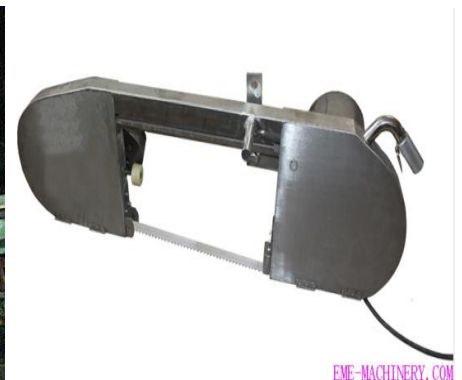
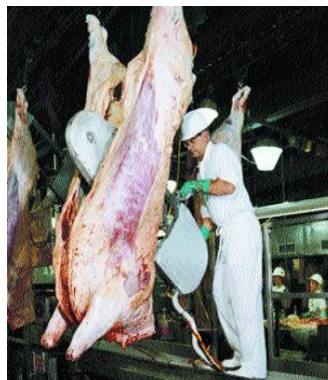


2.13 Cattle carcass band splitting saw(Original: China)-----1Set

Model: QE-C230-I

Which main used to cut cattle carcass into two pieces along the spine and suspended under the steel beam by balance, main data as following:

- 1)-Rate voltage/Frequency/Phase: 380V/50HZ/3P
- 2)-Power: 2.2Kw
- 3)-Out size: 1300X400X500mm(LXWXH)
- 4)-Blade length:3100mm
- 5)-Cutting depth: 500mm
- 6)-Weight:89kg
- 7)-Component and material:
 - ✓ Balance
 - ✓ Transformer



- ✓ 10pcs saw blade

2.14 Band splitting saw sterilizing-----1Set

Model: QE-C230-III

Which main used for cattle carcass band splitting saw sterilizing with hot water, main data as following:

- 1)-Size:1200X360X150mm(LXWXH)
- 2)-Material: stainless steel



2.15 Cattle hind legs separated device-----1Set

Model: QE-C232

Which main used to separate cattle hind legs and fixed without moving for carcass splitting , main data as following:

- 1)-Legs separate distance:800mm
- 2)-Air consume: 92L/Time
- 3)-Component and material:
 - ✓ Hot galvanized steel connector
 - ✓ stainless steel track and slider
 - ✓ 1st leg pneumatic fixation
 - ✓ 2st leg pneumatic separate
 - ✓ Pneumatic control system and accessories

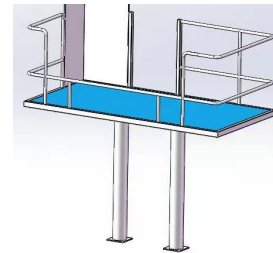


2.16 Carcass inspect and trimming and cleaning platform-----1Set

Model: QE-C221-VI

Which main used to support staffs for cattle carcass inspection, the detail data as following:

- 1)-Out size: 2000X1000X1200mm(LXWXH)
- 2)-Component and material:
 - ✓ φ 159mm hot galvanized steel pipe support
 - ✓ 60*40*2mm hot galvanized steel frame
 - ✓ 25mm Anti-skid plastic square
 - ✓ stainless steel ladder and handrail
 - ✓ Include one set hand washing and knives sterilizing device



2.17 Carcass manual cleaning machine-----1Set

Model: QE-C236-III

Which is used to cleaning cattle half carcass by high pressure water, the detail data as following:

- 1)-Power mode:3-phase electric
- 2)-Include:15m high pressure explosion-proof steel wire pipe
 - ✓ Copper tube high pressure gun
 - ✓ High density filter
 - ✓ 5m water inlet PVC pipe
- 3)-Technical parameters:
 - ✓ Power: 2.2Kw
 - ✓ Rate of flow: 13L/Min
 - ✓ Max pressure:18Mpa Power mode:3-phase electric



2.18 Carcass rail weight system-----1Set

Model: QE-C235

Which main used to weight cattle and pig carcass on convey rail after carcass processing or before dispatching, main data as following:

- 1)-Weight rail length: 1000 mm
- 2)-Maximum Weight: 600 Kg
- 3)-Differentiate Capacity: 50g
- 4)-Component and material:

- ✓ Hot dip galvanized connectors and bolts
- ✓ $\phi 60 \times 4$ mm independent stainless steel weighing rail
- ✓ 2pcs high precision sensors
- ✓ Weighing display with printer
- ✓ LCD digital display



2.19 Standard trolley-----4Sets

Model: QE-L123

Which main used to collect livestock by-product and meat transfer to appoint area for treat or storage, main data as following:

- 1)-Volume:200L
- 2)-Out size: 600X600X600mm(LXWXH)
- 3)-Component and material:
 - ✓ 2mm 304Stainless steel tank
 - ✓ Bottom fillet structure
 - ✓ 4pcs Strongly nylon wheel



2.3、 Pig killing and bleeding equipment unit

3.1 Living pig stunning box-----1Set

Model: QE-P105

Which main used to fix living pig for stunning and killing, main data as following:

- 1)-Work pressure:0.6-0.8Mpa
- 2)-Air consume: 190L/ Time
- 3)-Max capacity: 100 Heads per hour
- 4)-Out size:1700*600*2000mm(L*W*H)
- 5)-Component and material:
 - ✓ Pig entrance device
 - ✓ Side door opening and closing device
 - ✓ Pig collection grid plate
 - ✓ Hot galvanized main frame
 - ✓ High polymer nylon plate



3.2 Living pig manual stunning device-----1Set

Model: QE-P106-I

Which main used for small size abattoir pig stunning or combination with straddle-type conveyor stun machine, main data as following:

- 1)-Electric current: 0.5-1.2A
- 2)-Stunning time: 1~5s
- 3)-Out size: 220X130X340 (LXWXH)
- 4)-Component and material:
 - ✓ Stainless steel stunning forceps
 - ✓ Stunning generator



3.3 Pig bleeding slope lifting machine-----1Set

Model: QE-P109-I

Which main used to lifting pig carcass from killing table to carcass over head convey rail for bleeding, main data as following:

- 1)-Rated voltage / phase / frequency: 380v / 3p / 50hz
- 2)-Power: 2.2Kw
- 3)-Transport speed:17m/Min



4)-Component and material:

- ✓ Hot galvanized #6.3/ #14 U-beam
- ✓ Hot galvanized ϕ 60X4mm, PVC wear-resisting fillets
- ✓ Hot galvanized chain plate, High strength composite nylon material Idler wheel
- ✓ Precision casting iron rail hanger

3.4 Pig bleeding manual convey rail-----8M

Model: QE-P110-III

Which main used to hang pig carcass for complete bleeding with manual convey, main data as following:

- 1)-Rail Height:3.6m
- 2)-Push block distance:600-800mm
- 3)-Max capacity: 30 Heads/hour
- 4)-Component and material:

- ✓ Hot galvanized 10# double channel steel
- ✓ Hot galvanized 10# I-Beam
- ✓ Hot galvanized refined steel casting hanger
- ✓ Connecting bolt
- ✓ ϕ 60*4mm 304 stainless steel tube rail (Rube rail)



3.5 Pig bleeding shackle-----10Sets

Model: QE-P111

Which main used to hang pig carcass one over head convey rail for bleeding, main data as following:

- 1)-Max load-bearing:500kg
- 2)-Material:304 stainless steel
- 3)-Length: 0.6-0.96m



3.6 Carcass mechanical unloading device-----1Set

Model: QE-P115-I

Which main used to unloading pig carcass from over head convey rail to scalding tank, main data as following:

- 1)-Working distance: 170mm
- 2)-Out size: 415*500*1200mm(L*W*H)
- 3)-Component and material:
- ✓ Hot galvanized main frame
- ✓ Bleeding shackle guide device



3.7 Bleeding idle shackle convey rail-----7M

Model: QE-P110-IV

Which main used to convey idle bleeding shackle back to hang area for reused, main data as following:

- 1)-Rail Height: 1.5-3.6m
- 2)-Push block distance:800mm
- 3)-Component and material:
- ✓ Hot galvanized 10# double channel steel
- ✓ Stainless steel bleeding shackle guard rail device
- ✓ Hot galvanized refined steel casting hanger
- ✓ Connecting bolt
- ✓ ϕ 60*4mm 304 stainless steel tube rail, PVC wear-resisting fillets (Rube rail)
- ✓



2.4、 Pig carcass processing equipment unit

4.1 Pig carcass processing manual convey rail-----18M

Model: QE-P117-III

Which main used to hang pig carcass for evisceration, chilling and storage and so on, main data as following:

- 1)-Rail Height:2700-3300m
- 2)-Push block distance:600-800mm
- 3)-Component and material:
 - ✓ Hot galvanized 10# double channel steel
 - ✓ Hot galvanized 10# I-Beam
 - ✓ Hot galvanized refined steel casting hanger
 - ✓ Connecting bolt
 - ✓ ϕ 60*4mm 304 stainless steel tube rail (Rube rail)



4.2 Tube rail pulley hook-----20Sets

Model: QE-P506

Which main used to hang pig carcass on over head convey rail for evisceration, chilling, cold storage and so on, main data as following:

- 1)-Distance:450mm
- 2)-Max loading:400kg
- 3)-Component and material:
 - ✓ 304 stainless steel precision casting hanger
 - ✓ ϕ 18mm 304 stainless steel hooks



4.3 Pig carcass electric scalding tank -----1Set

Model: QE-P201-I

Which main used for pig carcass scalding before dehairing, main data as following:

- 1)-Working principle: electric
- 2)-Rated voltage / phase / frequency: 380v / 3p / 50hz
- 3)-Power: 30Kw
- 4)-Scalding temperature: 58-62°C
- 5)-Out size: 3000*1800*800mm(L*W*H)
- 6)-Component and material:
 - ✓ Stainless steel square steel main frame
 - ✓ 80mm polyurethane insulation layer
 - ✓ 2mm 304 Stainless steel plate shell
 - ✓ 30kw stainless steel electric heating rod
 - ✓ Drain valve
 - ✓ Temperature control system



4.4 Pig carcass hydraulic dehairing machine-----1Set

Model: QE-P209-I

Which main used to remove pig hair after scalding in small and middle capacity pig slaughterhouse , main data as following:

- 1)-Rated voltage / phase / frequency: 380v / 3p / 50hz
- 2)-Power: 7Kw
- 3)-Out size: 2680*1340*1660mm(L*W*H)
- 4)-Capacity: 60pig per hour
- 5)-Dehairing time: 40s
- 6)-Loading weight: \leq 130Kg
- 7)-Dehair effective length: 1.8m
- 8)-Dehairing rate: \geq 90
- 9)-Bone broken rate: \leq 2%
- 10)-Axis qty: 1set
- 11)-Component and material:



- ✓ Hot galvanized main frame
- ✓ Hot galvanized single dehairing roller with rubber sheet
- ✓ Hot galvanized concave-grid plate
- ✓ Stainless steel raking
- ✓ 2mm stainless steel plate shell
- ✓ Hydraulic pressure station
- ✓ Oil cylinder and hydraulic control system and soft pipe

4.5 Carcass hair trimming collection table-----1Set

Model: QE-P212

Which main used to collect dehaired pig carcass for hair trimming, main data as following:

1)-Out Size:1800*1500*800 mm(L*W*H)

2)-Component and material:

- ✓ 38*38*2mm stainless square steel support
- ✓ 2mm stainless steel table board
- ✓ Stainless steel adjusting foot



4.6 Pig carcass slope lifting machine-----1Set

Model: QE-P401-I

Which main used to receive pig carcass after unloading from over head convey rail, main data as following:

1)-Rated voltage / phase / frequency: 380v / 3p / 50hz

2)-Power: 1.5kw

3)-Lifting height:1800mm

4)-Component and material:

- ✓ Hot galvanized steel C-beam track
- ✓ Hot galvanized steel nylon roller plate chain
- ✓ High polymer wear-resistant walking wheel
- ✓ Hot galvanized steel channel steel frame
- ✓ Plate chain with push dog
- ✓ Driving and tension device
- ✓ Low pressure control switches
- ✓ 40*40*4mm 304 stainless steel double rail (Dual orbit)



4.7 Carcass remnant hair scrapping platform-----1Set

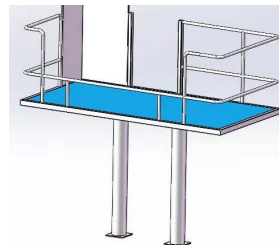
Model: QE-P511-III

Which main used for staffs removing pig carcass remnant hair when after dehaired , main data as following:

1)-Out size: 1600*800*1500mm (L*W*H)

2)-Component and material:

- ✓ ϕ 159mm hot galvanized steel pipe support
- ✓ 60*40*2mm hot galvanized steel frame
- ✓ 25mm Anti-skid plastic square
- ✓ 304Stainless steel ladder and handrail
- ✓ Include one set hand washing and knives sterilizing device



4.8 Carcass white and red viscera evisceration platform-----1Set

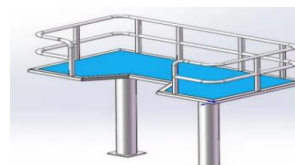
Model: QE-P511-VI

Which main used for staffs evisceration white viscera from pig carcass , main data as following:

1)-Out size: 1600*800*800mm (L*W*H)

2)-Component and material:

- ✓ ϕ 159mm hot galvanized steel pipe support
- ✓ 60*40*2mm hot galvanized steel frame



- ✓ 25mm Anti-skid plastic square
- ✓ 304Stainless steel ladder and handrail
- ✓ Include one set hand washing and knives sterilizing device

4.9 Pig white and red viscera sliding chute-----1Set

Model: QE-P408

Which main used to collect pig viscera and transfer to appoint room for further treatment, main data as following:

- 1)-Out size: 2200*900/60mm(L*W)
- 2)-Thickness :2mm
- 3)-Component and material: Stainless steel



4.10 Pig white and red viscera collection trough-----1Set

Model: QE-P608-I

Which main used for collect pig red and white viscera for cleaning, main data as following:

- 4)-Out size: 4000*900*800mm (L*W*H)
- 5)-Depth:100mm
- 6)-Component and material:
 - ✓ 38*38*2mm 304 stainless steel square tube
 - ✓ 304 Stainless steel table-board
 - ✓ Drain hole
 - ✓ Stainless steel adjusting foot



4.11 Viscera inspection and packaging table-----3Sets

Model: QE-P610

Which main used to collection livestock viscera for inspection and packaging , the detail data as following:

- 1)-Out size: 1800X900X800mm(LXWXH)
- 2)-Component and material:
 - ✓ 38*38*2mm 304Stainless steel square pipe
 - ✓ 2mm 304Stainless steel plate
 - ✓ Faucet and pipe
 - ✓ 304Stainless steel adjusting foot



4.12 Red viscera transfer trolley-----1Set

Model: QE-P613

Which main used to collection pig red viscera and transfer to storage room, main data as following:

- 4)-Size:1500X800X1600mm(LXWXH)
- 5)-Capacity: 54pcs hanger
- 6)-Component and material:
 - ✓ 38*38*2mm 304Stainless steel frame
 - ✓ 12mm 304Stainless steel red offal hook
 - ✓ 1.5mm 304Stainless steel bottom tray
 - ✓ 4pcs nylon roller(2pcs Omni-directional wheel)

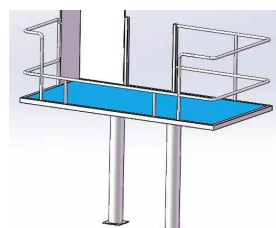


4.13 Carcass trimming and cleaning platform-----1Set

Model: QE-P511-X

Which main used for staffs to trim pig carcass before send to market or storage room ,main data as following:

- 1)-Out size: 1600*800*800mm (L*W*H)
- 2)-Component and material:
 - ✓ φ 159mm hot galvanized steel pipe support
 - ✓ 60*40*2mm hot galvanized steel frame
 - ✓ 25mm Anti-skid plastic square



- ✓ 304Stainless steel ladder and handrail

4.14 Half carcass manual washing machine-----1Set

Model: QE-P504-I

Which is used to cleaning pig half carcass by high pressure water, the detail data as following:

- 1)-Power mode:3-phase electric
- 2)-Include:15m high pressure explosion-proof steel wire pipe
 - ✓ Copper tube high pressure gun
 - ✓ High density filter
 - ✓ 5m water inlet PVC pipe
- 3)-Technical parameters:
 - ✓ Power: 2.2Kw
 - ✓ Rate of flow: 13L/Min
 - ✓ Max pressure:18Mpa Power mode:3-phase electric



4.15 Standard trolley-----4Sets

Model: QE-L123

Which main used to collect livestock by-product and meat transfer to appoint area for treat or storage, main data as following:

- 4)-Volume:200L
- 5)-Out size: 600X600X600mm(LXWXH)
- 6)-Component and material:
 - ✓ 2mm 304Stainless steel tank
 - ✓ Bottom fillet structure
 - ✓ 4pcs Strongly nylon wheel



2.5、Cattle & pig chilling and quarter carcass cutting equipment unit

5.1 Cattle carcass manual convey rail-----245M

Model: QE-C301-II

Which main used to convey cattle and pig carcass for chilling, freezing, and transportation to all functional rooms, such as boneless, dispatching, etc, main data as following:

- 1)-Rail Height: 3.6/2.4m
- 2)-H225hanger distance:600-800mm
- 3)-Component and material:
 - ✓ Hot galvanized steel 12# double channel steel
 - ✓ Hot galvanized special hanger
 - ✓ φ60*4mm stainless steel orbit
 - ✓ 90 ° and 60 ° stainless steel rail elbow
 - ✓ Connecting bolt



5.2 Tube rail pulley hook for cattle carcass -----50Sets

Model: QE-C238-I

Which main used to hang cattle carcass for slaughtering process, main data as following:

- 1)-Weight: About 3.78kg
- 2)-Out Size: 480X80X70mm (LXWXH)
- 3)-Tube Diameter: 40-60mm
- 4)-Carrying Capacity: 1500Kg
- 5)-Component and material:
 - ✓ stainless steel precision casting hanger
 - ✓ H225 refined steel casting,surface hot galvanized
 - ✓ φ22mm stainless steel hooks



- ✓ Roller with 2pcs sealed bearings

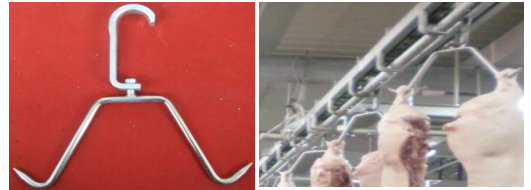
5.3 Tube rail pulley hook-----200Sets

Model: QE-P506

Which main used to hang pig carcass on over head convey rail for evisceration, chilling, cold storage and so on, main data as following:

- 1)-Distance:450mm
- 2)-Max loading:400kg
- 3)-Component and material:

- ✓ 304 stainless steel precision casting hanger
- ✓ ϕ 18mm 304 stainless steel hooks



5.4 Quarter carcass slope lifting machine-----1Set

Model: QE-C302-I

Which main used to lift fore-quarter from 1.2meter level to 2.4meter level over head convey rail, main data as following:

- 1)-Rate voltage/Frequency/Phase: 380V/50HZ/3P
- 2)-Power: 1.5Kw
- 3)-Length: 3500mm
- 4)-Lift height:1200mm
- 5)-Component and material:

- ✓ Hot galvanized steel closed 8# C-beam track with rail hanger
- ✓ Hot galvanized steel plate chain with pusher dog
- ✓ High polymer wear-resistant walking wheel
- ✓ ϕ 60*4mm stainless steel tube rail
- ✓ Driving and pneumatic tension device



5.5 Quarter carcass slope unloading machine-----1Set

Model: QE-C302-II

Which main used to unloading cattle carcass from high convey rail (H=3.6m) to low convey rail (H=2.4m) for boneless, main data as following:

- 1)-Rate voltage/Frequency/Phase: 380V/50HZ/3P
- 2)-Power: 1.5Kw
- 3)-Length: 3500mm
- 4)-Lift height:1200mm
- 5)-Component and material:

- ✓ Hot galvanized steel closed 8# C-beam track with rail hanger
- ✓ Hot galvanized steel plate chain with pusher dog
- ✓ High polymer wear-resistant walking wheel
- ✓ ϕ 60*4mm stainless steel tube rail
- ✓ Driving and pneumatic tension device



5.6 Quarter carcass reciprocating cut saw (Original: Germany)-----1Set

Model: QE-C303-II

Which main used to cut half cattle carcass to quarter carcass, the detail data as following:

- 1)-Design principle: Motor Driving
- 2)-Rated voltage: 380VAC, 50HZ, 3P
- 3)-Controlling voltage: 24VDC
- 4)-Power: 0.86Kw
- 5)-Length: 800mm
- 6)-Blade length: 400mm
- 7)-Material: Stainless steel & carbon steel
- 8)-Include auxiliary device: One set balance



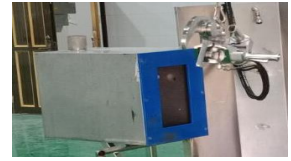
9)-Weight: 65kg

5.7 Quarter carcass cut saw sterilizing device-----1Set

Model: QE-C303-III

Which main used for cattle quarter carcass cutting saw sterilizing, main data as following:

- 1)-Out size: 660X360X200mm(LXWXH)
- 2)-Material: stainless steel



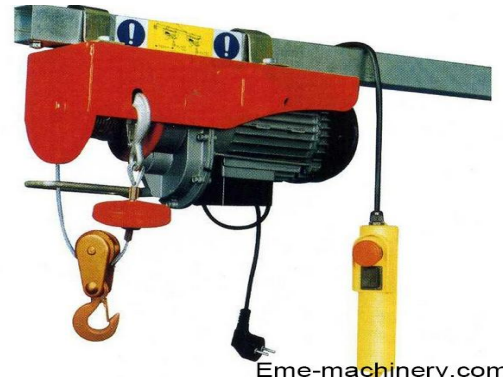
5.8 Cattle and pig carcass delivery descend machine-----1Set

Model: QE-C305-II

Which main used to unloading cattle and pig carcass form the convey rail for delivery, main data as following:

- 1)-Rate voltage/Frequency/Phase: 380V/50HZ/3P
- 2)-Power: 1.5Kw
- 3)-Lifting height: 3M
- 4)-Lifting speed: 4m/min
- 5)-Hoisting ability:1000kg
- 6)-Max capacity: 45 carcass per hour
- 7)-Component and material:

- ✓ Electric hoist
- ✓ Hanging carcass device(Guide device)
- ✓ Hot galvanized hanger
- ✓ Limit device
- ✓ Low pressure control switches



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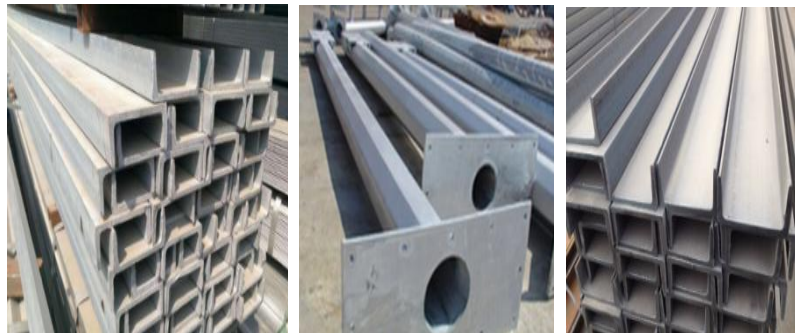
2.6、Cattle & pig abattoir installation material and auxiliary equipment unit

6.1 Equipment main support and hanging material-----16Tons

Model: QE-C403

Which main used for cattle and pig abattoir equipment main beam support and hanging, fixed on the upper end of the column by welding, main data as following:

- 1)-Component and material:
- ✓ DN125 Hot galvanized steel column
- ✓ Hot Galvanized Main Steel Beam
- ✓ 28# I-beam,280*124*10.5
- ✓ 25# I-beam,250*118*10
- ✓ 20# I-beam,200*102*9
- ✓ 18# I-beam,200*102*9
- ✓ 16# I-beam,200*102*9



6.2 Equipment installation auxiliary material and accessories-----2Tons

Model: QE-C404

Which main used for cattle and pig abattoir equipment main beam support and hanging, fixed on the upper end of the column by welding, main data as following:

- 1)-Component and material:
- ✓ Hot galvanized rigid Connectors
- ✓ Hot galvanized connecting Plate
- ✓ Hot galvanized connecting screw
- ✓ Hot galvanized bolt and nut
- ✓ Expansion bolt



6.3 Screw air compressor(0.8Mpa-11Kw)-----1Set

Model: QE-L301-III

Which main used to offer high-pressure air for some machine which need controlling or driving by pneumatic, main data as following:

- 1)-Rated voltage/phase/frequency: 380V/3P/50HZ
- 2)-Power: 11+0.375Kw
- 3)-Exhaust pressure: 0.8Mpa
- 4)-Capacity:1.7m³/min
- 5)-Air storage tank capacity:1000L
- 6)-Weight:380kg
- 7)-Out size:1050*750*1000mm(L*W*H)
- 8)-Noise:67±2 db(A)
- 9)-Outlet pipe diameter:G3/4"
- 10)-Component and material:
 - ✓ IP54 totally enclosed dust-proof motor
 - ✓ Excellent transmission system
 - ✓ High efficiency filtration system
 - ✓ Large oil cooler and air cooler with load low temperature difference (6-8 °C)
 - ✓ Intelligent control system
 - ✓ Abb, Siemens, Schneider and other electrical components
 - ✓ Air drying device
 - ✓ Air storage tank
 - ✓ Air filter



6.4 Livestock abattoir installation tools-----1Set

Model: QE-L126

Which main use for cattle and sheep/goat and pig and poultry abattoir slaughtering equipment installation, and which mainly include following device:

- 1)-Welding Machine
 - 2)-Steel Cutting Device
 - 3)-Rotate Drilling Device
 - 4)-Manual Lifting Device
 - 5)-Welding Polishing Device
 - 6)-False-work
- And so on.....

