

The 20Pig Per Day Abattoir Project Proposal



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I、 Pig Abattoir Project Brief Introduce

1.1 Pig abattoir main data

- 1). Design capacity-----50pigshift
- 2). Design religion-----Normal
- 3). Pig abattoir plant out size (L*W*H)-----24*10*5M
- 4). Deliver period in China -----30Days
- ✓ The delivery as per buyer’ s down-payment value have been received in China
- 5). Installation and debugging technicians-----1Person
- 6). Installation and debugging period-----20Days
- 7). Voltage rating-----380V / 3P / 50HZ
- 8). Electric consumption-----15Kw/Hour
- 9). Water consumption-----10Ton/Shift
- 10). Slaughterhouse Worker-----10Person/Shift

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 pig abattoir equipment need 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、 Pig abattoir equipment price list:

| No. | Items | Model | Unit | Qty |
|---|--|-------------|------|-----|
| 2.1、 Living pig killing and bleeding equipment unit | | | | |
| 1.1 | Pig killing manual convey table | QE-P108-II | Set | 1 |
| 1.2 | Living pig manual stunning device | QE-P106-I | Set | 1 |
| 1.3 | Pig bleeding slope lifting machine | QE-P109-I | Set | 1 |
| 1.4 | Pig bleeding and carcass processing manual convey rail | QE-P110-III | M | 30 |
| 1.5 | Pig bleeding shackle | QE-P111 | Set | 5 |
| 1.6 | Blood collection tank (Civil construction) | QE-P113 | Set | 1 |
| 1.7 | Carcass mechanical unloading device | QE-P115-I | Set | 1 |
| 2.2、 Pig carcass de-hairing and evisceration equipment unit | | | | |
| 2.1 | Tube rail pulley hook | QE-P506 | Set | 15 |
| 2.2 | Pig carcass scalding tank (Civil construction) | QE-P201-I | Set | 1 |
| 2.3 | Pig carcass hydraulic dehairing machine | QE-P209-I | Set | 1 |
| 2.4 | Carcass hair trimming collection table | QE-P212 | Set | 1 |
| 2.5 | Pig carcass slope lifting machine | QE-P401-I | Set | 1 |
| 2.6 | Carcass remnant hair scrapping platform | QE-P511-III | Set | 1 |
| 2.7 | Carcass white and red viscera evisceration platform | QE-P511-VI | Set | 1 |
| 2.8 | White and red viscera sliding chute | QE-P408 | Set | 1 |
| 2.9 | Pig viscera collection trough | QE-P608-I | Set | 1 |
| 2.10 | Red viscera transfer trolley | QE-P613 | Set | 1 |
| 2.11 | Standard trolley | QE-L123 | Set | 4 |
| 2.12 | Carcass trimming platform | QE-P511-X | Set | 1 |
| 2.13 | Static track electronic weighing system | QE-P505-II | Set | 1 |
| 2.14 | Half carcass manual washing machine | QE-P504-I | Set | 1 |
| 2.3、 Pig abattoir installation material and auxiliary equipment unit | | | | |
| 3.1 | Equipment main support and hanging material | QE-P703 | Ton | 3 |
| 3.2 | Equipment installation suspension parts | QE-P704 | Ton | 0.5 |
| 3.3 | Livestock abattoir installation tool | QE-L126 | Ton | 1 |

III、The pig abattoir equipment specification:

2.1、Living pig killing and bleeding equipment unit

1.1 Pig killing manual convey table-----1Set

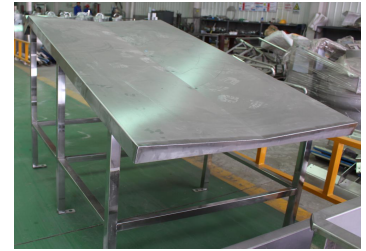
Model: QE-P108-II

Which main used to collection stunned pig carcass for lifting, main data as following:

1)-Out size: 1800*1600*800mm (L*W*H)

2)-Component and material:

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



1.2 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



1.3 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



1.4 Pig bleeding and carcass processing manual convey rail-----30M

Model: QE-P117-III

Which main used to hang pig carcass for bleeding, evisceration, trimming, cleaning and so on, main data as following:

1)-Rail Height:2700-3300mm

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
- ✓ 40X40X4mm 304stainless steel dual rail (Dual orbit)



1.5 Pig bleeding shackle-----5Sets

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: 0.6-0.96mm

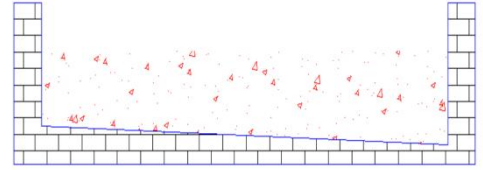


1.6 Blood collection tank(Civil construction)-----1Set

Model: QE-P113

Which main used to collect pig blood for further treatment, main data as following:

- 1)-Out size: 4000*1100*450-600mm(L*W*H)
- 2)-Depth:200-350mm
- 3)-Component and material:
 - ✓ Brick main wall
 - ✓ Surface cover with tile



1.7 Carcass mechanical unloading device-----1Set

Model: QE-P115-I

Which main used to unload 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



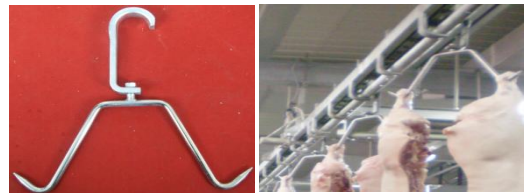
2.2、 Pig carcass de-hairing and evisceration equipment unit

2.1 Tube rail pulley hook-----15Sets

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

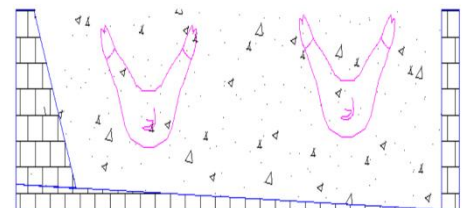


2.2 Pig carcass electric scalding tank (Civil construction)-----1Set

Model: QE-P201-I

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

- 1)-Working principle: electric
- 2)-Scalding temperature: 58-62℃
- 3)-Out size: 3000*1800*800mm(L*W*H)
- 4)-Component and material:
 - ✓ Brick main wall
 - ✓ Surface cover with tile



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

Model: QE-P209-I

Which main used to remove pig hair after scalding , main data as following:

- 1)-Rated voltage / phase / frequency: 380v / 3p / 50hz
- 2)-Power: 7Kw
- 3)-Out size: 2350*1300*1700mm(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: 2set

11)-Component and material:

- ✓ Hot galvanized main frame
- ✓ 2Pcs Hot galvanized 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



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2.4 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



2.5 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
- ✓ ϕ 60*4mm 304 stainless steel tube rail (Tube rail)



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

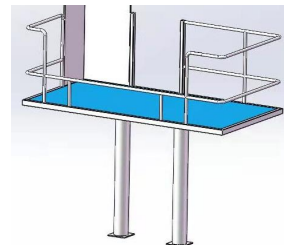
Model: QE-P511-III

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



2.7 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

2.8 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



2.9 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:

- 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 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:

- 1)-Size:1500X800X1600mm(LXWXH)
- 2)-Capacity: 54pcs hanger
- 3)-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)



2.11 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

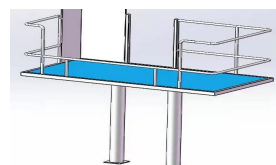


2.12 Carcass trimming and cleaning platform-----1Set

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

2.13 Static track electronic weighing system-----1Set

Model: QE-P505-II

Which is used to weight pig carcass and installation on over head convey rail, the detail data as following:

- 1)-Weight rail length: 1000 mm
- 2)-Maximum Weight: 300 Kg
- 3)-Differentiate Capacity: 50g
- 4)-Component and material:

- ✓ Hot galvanized connectors and bolts
- ✓ 2pcs high precision sensors
- ✓ Weighing display with printer
- ✓ LCD digital display
- ✓ ϕ 60*4mm independent 304 stainless steel weighing rail (Tube rail)



2.14 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



2.3、 Pig abattoir installation material and auxiliary equipment unit

3.1 Equipment main support and hanging material-----3Tons

Model: QE-P703

Which main used for 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:

- ✓ DN114 Hot galvanized steel column
- ✓ Hot Galvanized Main Steel Beam
- ✓ 25# I-beam,250*118*10
- ✓ 20# I-beam,200*102*9
- ✓ 18# I-beam,180*102*9
- ✓ 16# I-beam,160*102*9



3.2 Equipment main support and hanging material-----0.5Ton

Model: QE-P704

Which main used for 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



3.3 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.....

