

Function: Pre-slaughter stunning system using CO₂ Model: Somnia 408 CO₂ Stunner.



- ◆ Advanced CO₂ stunning technology reduces blood discoloration.
- ◆ Minimizes PSE (Pale, Soft, and Exudative) meat, ensuring clean carcass processing.
- ◆ Enables fast and continuous bleeding, making operations more efficient.
- ◆ Ensures stable shackling and sticking for safe carcass disassembly.
- ◆ Reduces wastewater and water consumption

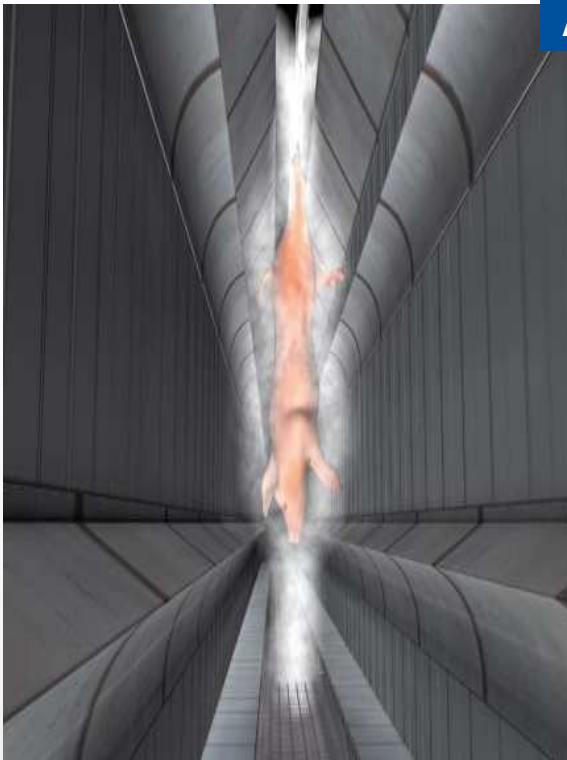
– Processing Capacity: Over 300 pigs per hour

– CO₂ Gas Consumption: Approximately 150–200 g per pig

Steam Humidification Scalding Tank



Function: Scalding system using steam humidification.



- ◆ No water recirculation, ensuring a hygienic process with no cross-contamination.
- ◆ Prevents carcass contamination.
- ◆ Uses saturated steam at 60–62° C for optimal air circulation.
- ◆ Steam humidification system requires only a small amount of water during scalding.
- ◆ Operating costs are 50% lower than conventional systems.
- ◆ No need for defoaming chemicals to remove foam.

- *Processing Capacity: Over 300 pigs per hour.*
- *Water Consumption: 1 liter per pig.*
- *Energy Consumption: 1,400 kcal per pig, taking approximately 7 minutes.*

Continuous Automatic Dehairing Machine



Function: Equipment for removing pig hair after scalding

Model: Continuous Dehairing Machine CDM 400 2-2.



- ◆ Automatically detaches shackles after passing through the scalding tank and moves pigs through the feed chute.
- ◆ Utilizes two horizontally positioned rotating beaters to remove hair while transferring pigs to the outlet.
- ◆ Maintains optimal pore condition during dehairing with a 60° C circulating hot water shower.
- ◆ Long-lasting PVC dehairing paddles (beaters) with a lifespan of 600,000 pigs.
- ◆ Separated hair is conveyed and discharged through a bottom hair transport conveyor.

- *Processing Capacity: 400 pigs per hour.*
- *Two beater drums and dehairing paddles (two-axis drums).*
- *Equipment dimensions: 2,100W x 4,750L x 4,050H (mm).*
- *Bottom water tank capacity: 2,900 liters.*
- *Power consumption: 28.75 kW*

Flame Roasting Section



Function: Equipment for removing residual fine hair after dehairing

Model: BF-4

- ◆ High safety is ensured through continuous modifications by technical research institutes in device and valve installation.
- ◆ Equipped with devices ensuring proper flame for all gas valves.
- ◆ Reduces gas consumption by using intermittent gas ignition combustion.
- ◆ Allows adjustment of signaling time via the control panel.

- Processing Capacity: 400 pigs per hour
- Equipment dimensions: 1,640W x 1,400L x 3,750H (mm)
- LNG consumption: 50 liters/second, LPG consumption: 40g/second
- 32 burners
- Power consumption: 1 kW



Residual Hair Removal Washing Machine



Function: Removes residual contaminants after flame roasting

Model: Whip-Type Washing Machine 4W 2BW

- ◆ Burnt residue on the carcass surface is thoroughly cleaned in the final washing machine.
- ◆ Vertical and horizontal whip drums spray water to clean the carcass before it moves to the hygiene zone.
- ◆ The dryer removes moisture from the carcass after dehairing.
- ◆ The carcass surface is sterilized after passing through the flame roaster.

- *Processing Capacity: 300 pigs per hour*
- *Equipment dimensions: 1,800W x 1,800L x 2,800H (mm)*
- *Power consumption: 16 kW*
- *Cold water consumption: 900L/h*

Pre-Cooling and Quick-Freezing Room



- ◆ Quick-Freezing Room: Maintains temperatures between -15°C and -25°C .
- ◆ Minimizes carcass weight loss.
- ◆ Pre-Cooling Room: Maintains temperatures between 0°C and -5°C .
- ◆ Ensures stable carcass cooling.

– System: Tubular rail system
– Storage Capacity: Over 1,500 pigs per day



450 pigs per hour

RPS – Half carcass splitting



650 pigs per hour

RBO – Belly and chest opening



650 pigs per hour

RNC – Head removal

- ◆ Ensures strict hygiene control.
- ◆ Future-oriented design for optimal efficiency.
- ◆ Superior structural and environmental adaptability.
- ◆ Robust durability for long-term use.
- ◆ Easy maintenance for reduced downtime.
- ◆ User-friendly operation.
- ◆ Guarantees high efficiency in slaughtering operations