

SYSTEMATE NUMAFA POULTRY PROCESSING LINE

Area 1	Livebird Receiving Area
Area 2	Killing/Picking Area
Area 3	Eviscerating Area
Area 4	Chilling Area
Area 5	Weighing/Packing Area
Area 6	Cut-up Area
Area 7	Offal Handling Area

Parameters

Capacity	2000 B.P.H.
Number of shifts	1 shift per day
Weight range	1,5 - 2,5 Kg
Scalding temperature	51-52°C
Pre chilling	Spray chilling
Chilling time	90 min.
Maximum capacity	Cut up system: 6000 B.P.H.
Eviscerated weight range	1,3 - 2,0 Kg
Weight difference in flock	(to obtain max. yield) max. 200 gr.

Area 1 Livebird Receiving Area

A3 *CRATE WASHER RWM 400 LB*
MODEL RWM 400

- crate washer for live bird crates
- driven by a motorreductor
- stainless steel constructed
- excluding heating
- length: 3100 mm
- width: 1100 mm
- height: 1570 mm
- in feed height: 1100 mm
- motor power pump: 11 kw
- drive: 0,18 Kw
- water connection: 3/4"
- water pressure: 4 bar
- capacity: 300 crates/hour

Area 2 Killing/Picking Area

B1 *OVERHEAD CONVEYOR 6" P*
MODEL 6" P

- calibrated 1" link chain
- plastic trolleys
- plastic wheels with stainless steel bearings
- trolleys suitable for 1 1/4" pipe track
- section length: 1.000 mm
- bolts and lock nuts
- weight per 1.000 mm: 6.5 kilos

B1,01 *Pipe track 1 1/4" ss*
MODEL 1 1/4" SS

- pipe track 1 1/4" stainless steel
- length: 1.000 mm
- weight: 4 kilos

B1,02 *Suspension set for 1 1/4"ss (meter)*
-includes suspension pipe, suspension shoes and brackets
-all stainless steel

B1,03 *Corner 90 - 480 SS*
- stainless steel bend 90 degrees 1 1/4" pipe
- wheel diameter 480 mm
- nylon constructed wheel with ball bearings

B1,04 *Tensioner 180 - 480 SS*
- stainless steel line tension unit 180 degrees, 1 1/4" pipe
- wheel diameter 480 mm
- nylon constructed wheel with ball bearings
- stainless steel spindle for tension adjustment

B1,05 *Corner 180 - 280 SS*
- stainless steel bend 180 degrees 1 1/4" pipe
- wheel diameter 280 mm
- nylon constructed wheel with ball bearings

B1,06 *S-Bend (ss)*
- stainless steel vertical "S" bend for 1 1/4" pipe
- down part has strip welded on top for wheel guiding
- up part has top guide welded for wheel guiding

B1,07 *Shackle guiding (meter)*
- stainless steel shackle guide bar at hang on position
- including stainless support
- 10 mm round bar

B1,08 *Link chain stainless steel/mtr.*
- stainless steel link chain for de-feathering line
- joined shackles with each other between shackle and drop rod

- B1,09 *Drive, gear motor 0.75-90/240*
- stainless steel construction
 - drive wheel direct on gearbox shaft bend radius 240 mm
 - 90 degrees drive bend
 - to be connected to a frequency convertor
 - motor power: 0.75 Kw
- B1,1 *Frequency converter 2-75*
- frequency converter built in a control box with motor protection units
 - voltage: 380/50 Hz - 440/60 Hz
 - capacity: 2 x 0.75 Kw
- B1,11 *Killing / de-feathering shackle*
- stainless steel constructed shackle designed for killing lines
 - 8 mm stainless steel rod
 - can be used in combination with de-feathering/eviscerating lines
 - length: 140 mm
 - width: 8 mm
 - height: 415 mm
- B1,12 *Drop rod*
- stainless steel constructed rod for de-feathering and/or eviscerating lines
 - 7 mm stainless steel rod
 - length: 31 mm
 - width: 31 mm
 - height: 220 or 325 mm
- B2 *WATER STUNNER VME 1000 CE*
Stunner MODEL CE 1000
- Stainless steel frame and fiberglass water bath.
 - Water bath height adjustable by means of a hydraulic jack.
 - Including water level control box using a floating switch and ground guiding rail for shackles.
- Dimensions:
- length: 2600 mm
 - width: 1350 mm
 - height: 2750 mm
 - Water consumption: 0,1 L/bird
 - Water connection: 3/4"
 - Capacity: up to 12.000 B.P.H. or 3.300 B.P.H. for high frequency stunning.

- B2,01 *Stunner control box*
- control panel to regulate voltage in the stunner water bath
 - operating the water safety valves of the water bath
 - amp. Meter showing amps per product
 - stainless steel enclosure with display on outside
 - suitable for remote installation
 - length: 200 mm
 - width: 120 mm
 - depth: 75 mm
 - weight: 5 kilos.
 - installed power: 220 Volt connection needed

B5 *AIR AGITATED SCALDER 1800 2/4.*
AIR SCALDER 1800 2/4.

Air agitated scalding suitable for most types of poultry. The scalding is a 2 passes model and includes an in/outlet section, a return section and a canopy over the full length of the scalding. The tank and canopy are stainless steel constructed as well as the heat exchangers, located between the passes. Heat exchangers are suitable for hot water heating (closed circuit) or low pressure steam > 3 bar. The scalding has an effective scalding length of 15,08 m. A water level control system and a temperature control box, with an accuracy of 0,2°C are included in the scalding unit. Track and corner are included as well as the air blowing system for water agitation, based on 0,3 kW per effective meter of scalding. Warm air is taken from inside the canopy to ensure energy consumption is limited.

Dimensions

length: 9.533 mm

width: 835 mm

height: 2.500 mm

Installed power: 2 x 2,2 kW

Single phase for control panel

Connections

Water supply inlet: 1

Warm water inlet: 3/4"

Water outlet: 3

B6 *PICKING MACHINE SV 15/4*
MODEL SV 15/4

- stainless steel picking machine with two opposed picking cabinets
- each side has two picking rows with 15 counter rotating picking discs
- each picking disc has 6 rubber picking fingers fitted, each row is individual driven by two electric motors, picking discs are driven by means of gears
- including shackle guiding and water pipes, synthetic feather flaps on both sides of the machine
- height, distance and angle adjustment
- the inside of the machine is easy to reach for maintenance or cleaning purposes
- length: 3025 mm
- width: 2095 mm
- height: 2550 mm
- weight: 550 kilos
- motor power: 8 x 2,2 kW
- water consumption: approx. 800 l/h
- water connection: 2 x 3/8"

B7 *PICKING MACHINE SV 18/4*
MODEL SV 18/4

- stainless steel picking machine with two opposed picking cabinets
- each side has two picking rows with 18 counter rotating picking discs
- each picking disc has 6 rubber picking fingers fitted, each row is individual driven by two electric motors, picking discs are driven by means of gears
- including shackle guiding and water pipes, synthetic feather flaps on both sides of the machine
- height, distance and angle adjustment
- the inside of the machine is easy to reach for maintenance or cleaning purposes
- length: 3505 mm
- width: 2095 mm
- height: 2550 mm
- weight: 600 kilos
- motor power: 8 x 2.2 Kw
- water consumption: approx. 1.000 l/h
- water connection: 2 x 3/8"

B9 *HOCK CUTTER H*
MODEL H

The 180 degrees hock cutter is usually situated at the end of the de-feathering line and will automatically release the product when hocks are cut. By adjustable guide bar cut can be accomplished as required. The machine will give a 100% performance when properly adjusted with even flocks. The machine is stainless steel constructed with a nylon cutting ring and is suitable for installation in a 180 degrees corner. Machine is suitable for suspended installation.

- length: 1300 mm
- width: 1.160 mm
- height: 1.700 mm
- weight: 165 kilos
- motor power: 1.5 KW
- capacity: 12.000 b.p.h.

B11 *SHACKLE WASHER 800*
MODEL 800

Automatic chain / trolley and shackle washer. Washes by means of the rotating brushing principle. Shackles pass through the machine while rotating brushes and water clean the shackle before starting a new cycle. Situated as the last unit in the line before hanging. Stainless steel opposing cabinets contain the motor driven hard brushes which cleans trolleys, chain and shackles over a 800 mm distance from top to bottom.

- brush length: 800 mm
- length: 570 mm
- width: 380 mm
- height: 925 mm
- weight: 75 kilos
- motor power: 0.25 Kw
- water consumption: approx. 300 l/h
- water connection: 3/8"
- capacity: 2.000 b.p.h.

Area 3 Eviscerating Area

C2 *OVERHEAD CONVEYOR 8" P*
MODEL 8" P

- calibrated 1" link chain
- plastic trolleys
- plastic wheels with stainless steel bearings
- trolleys suitable for 1 1/4" pipe track
- section length: 1.000 mm
- bolts and lock nuts
- weight per 1.000 mm: 5 kilos

C2,01 *Pipe track 1 1/4" ss*
MODEL 1 1/4" SS

- pipe track 1 1/4" stainless steel
- length: 1.000 mm
- weight: 4 kilos

C2,02 *Suspension set for 1 1/4"ss (meter)*
-includes suspension pipe, suspension shoes and brackets
-all stainless steel

C2,03 *Corner 90 - 480 SS*
- stainless steel bend 90 degrees 1 1/4" pipe
- wheel diameter 480 mm
- nylon constructed wheel with ball bearings

C2,04 *Tensioner 180 - 480 SS*
- stainless steel line tension unit 180 degrees, 1 1/4" pipe
- wheel diameter 480 mm
- nylon constructed wheel with ball bearings
- stainless steel spindle for tension adjustment

C2,05 *S-Bend (ss)*
- stainless steel vertical "S" bend for 1 1/4" pipe
- down part has strip welded on top for wheel guiding
- up part has top guide welded for wheel guiding

C2,06 *Shackle guiding (meter)*
- stainless steel shackle guide bar at hang on position
- including stainless support
- 10 mm round bar

- C2,07 *Drive, gear motor 0.75-90/240*
- stainless steel construction
 - drive wheel direct on gearbox shaft bend radius 240 mm
 - 90 degrees drive bend
 - to be connected to a frequency convertor
 - motor power: 0.75 Kw
- C2,08 *Frequency converter 3-75*
- frequency converter built in a control box with motor protection units
 - voltage: 380/50Hz - 440/60Hz
 - capacity: 3 x 0.75 Kw
- C2,09 *Eviscerating shackle*
- stainless steel constructed shackle designed for eviscerating line
 - also suitable for rehang machines
 - 8 mm stainless steel rod.
 - length: 135 mm
 - width: 8 mm
 - height: 295 mm
- C2,1 *Drop rod*
- stainless steel constructed rod for de-feathering and/or eviscerating lines
 - 7 mm stainless steel rod
 - length: 31 mm
 - width: 31 mm
 - height: 220 or 325 mm
- C3 *VENT CUTTER NV 8-12*
MODEL 8" - 12 UNITS
- cylinder blades with slots driven by a gear rack on top of the machine
 - auger driven by the same system
 - stainless steel constructed and food approved materials
 - height depending on track height
 - length: 1460 mm
 - width: 1460 mm
 - frame height: 2230 mm
 - total height: 2795 mm
 - water - drainage: 1 x 2"
 - water connection: 20 mm
 - required water pressure: 8 bar

C4 *OPENING MACHINE 8 - 8*
MODEL 8" - 8 UNITS

Automatic opening machine for various types of poultry to make an opening cut from the vent to the breast of the bird. This adjustable cut ensure a perfect cut in the abdomen to create access for the eviscerating units. The clean cut ensure no yield loss and no damage to the intestines thus avoiding contamination cleaning of the opening units after each cycle also avoids contamination. The machine has 8 cutting units. The machine is stainless steel and food approved nylon constructed and is driven by the overhead conveyor system. Adjustable infeed timing and height adjustment for different weight ranges. The cutting length can be changed by an adjustable curve system. The machine need to be hooked up to the main water supply.

- length: 1160 mm
- width: 985 mm
- frame height: 2230 mm
- total height: 2695 mm
- weight 250 kg
- water consumption: 200 L/h
- water connection: 20 mm
- water drainage: 1 x 1/4"

C5 *EVISCERATOR 8 - 12*
MODEL 8" - 12 UNITS

Automatic eviscerating for various types of poultry to draw the intestine pack with giblets after vent cutting / opening of the birds. The intestine package with giblets attached are positioned on the back of the bird still attached to same for veterinary inspection of both. Heart, liver and gizzard are presented in a way for easy harvesting. With product within the set product weight range the machine has hardly any fall back or loss of packs and performance with regard to recovery of edables is in the upper 90%. The machine is fitted with 12 eviscerating units which by means of breast holder position the birds in the correct way prior to starting to draw. The machine is stainless steel and food approved nylon constructed and is driven by the overhead conveyor system. Adjustable infeed timing and height adjustment for different weight ranges, other adjustment features include total machine timing and breast holder tension. The machine need to be hooked up to the main water supply to clean each unit after each cycle. The machine has its own water manifold connecting various spray points.

- length: 1630 mm
- width: 1385 mm
- frame height: 2150 mm
- weight: 500 kilos
- water drainage: 2 x 1/4"
- water consumption: 200 L/h
- water connection: 20 mm

C7 *CROPPING MACHINE 8 - 12*
MODEL 8" - 12 UNITS

- stainless steel constructed automatic crop remover
- each unit is fitted with a special cropping head, which passes through the bird, units are belt driven
- units are cleaned by a rotating brush
- machine is driven by the overhead conveyor
- length: 1620 mm
- width: 1385 mm
- height: 2410 mm
- weight: 500 kilos
- motor power: 2 x 0.75 Kw
- water - drainage: 2 x 1/4"
- water consumption: 200 l/h
- water connection: 20 mm

C8 *NECK BREAKER 8 - 8 N*
MODEL 8" - 8 UNITS

Automatic neck breaking machine for various types of poultry to break the neck at the breast side of the product. Each unit is capable of breaking the neck and stripping it off the bird with the neck skin attached to the product. The machine has its own collection tray and wiper to ensure product (necks) are unloaded at one location. The machine is fitted with 8 breaking units and a drum with position mechanisms to obtain a correct position prior to actual neck breaking. The machine is stainless steel and food approved nylon constructed and is driven by the overhead conveyor system. Adjustable infeed timing and height adjustment for different weight ranges. The machine needs to be hooked up to the main water supply to clean each breaker unit after each cycle.

- length: 1460 mm
- width: 980 mm
- frame height: 2250 mm
- weight: 350 kilos
- water - drainage: 1 x 1/4"
- water consumption: 50 L/h
- water connection: 20 mm

C9 *FINAL CONTROL 8 - 8*
MODEL 8" - 8 UNITS

- stainless steel constructed automatic final control machine and lung remover
- each unit is fitted with a special designed vacuum suction pipe
- machine is height adjustable for various bird sizes
- machine is driven by the overhead conveyor
- length: 1160 mm
- width: 1010 mm
- height: 2250 mm
- weight: 400 kilos
- vacuum consumption: 300 m³/h
- vacuum connection: 90 mm
- water consumption: 250 l/h
- water connection: 20 mm

C10 *BIRD WASHER 8 - 8*
MODEL 8" - 8 UNITS

- stainless steel constructed automatic inside and outside bird washer
- each unit has a special spray nozzle
- machine is height adjustable for various bird sizes
- machine is driven by the overhead conveyor
- length: 1160 mm
- width: 1035 mm
- height: 2240 mm
- weight: 200 kilos
- water consumption: 1.000 l/h
- water connection: 20 mm
- required water pressure: 3 bar

C11 *BIRD UNLOADER 180 - 8*

- stainless steel constructed unloader in a 180 degrees corner, 8" line
- automatic unloading device running from a guide system
- suitable for birds hanging in the knee joint
- machine is driven by the overhead conveyor
- length: 1.100 mm
- width: 1.100 mm
- height: 1.750 mm
- weight: 250 kilos
- capacity: 5.000 b.p.h.

C12 *SHACKLE WASHER 1600*
MODEL 1600

Automatic chain / trolley and shackle washer.
Washes by means of the rotating brushing principle.
Shackles pass through the machine while rotating brushes
and water clean the shackle before starting a new cycle.
Situating as the last unit in the line before hanging or
transfer. Washer is installed in a 45 degrees angle and is
suitable for high speed lines. Stainless steel opposing
cabinets contain the motor driven hard brushes which
cleans trolleys, chain and shackles over a 1600 mm
distance from top to bottom.

- brush length: 1600 mm
- length: 900 mm
- width: 380 mm
- height: 1.800 mm
- weight: 115 kilos
- motor power: 0.55 Kw
- water consumption: approx. 400 l/h
- water connection: 3/8"
- capacity: 12.000 b.p.h.

C14 *SEMI AUTOMATIC GIZZARD MACHINE*

Gizzards without intestines are fed into the machine via a
trough.

This trough is connected to the evisceration trough which
transports the gizzards by means of water.

The gizzards are positioned on the chain of the machine
feeding the cutting blade which opens the gizzards.

Onwards the opened gizzards are cleaned.

The gizzards are finally unloaded automatically.

- stainless steel constructed machine
- opens and cleans gizzards
- capacity up to 4.500 gizzards per hour
- optional peeler section available
- easy to clean
- widia hardened inserts in cutting blade
- water spray system to clean opened gizzards

C15 *GIZZARD DEFATTENER*
MODEL MARK I

Automatic gizzard de-fattener / washer situated after the gizzard harvester. Gizzards are loaded at one end of the machine passing water nozzles and rotating rubber fingers which remove the excess fat.

- length: 1035 mm
- width: 350 mm
- height: 1045 mm
- weight: 55 kilos
- motor power: 0,37 kw
- water consumption: 300 L/h
- water connection: 20 mm

C17 *GIZZARD CONTROL TABLE*
MODEL MARK I

- gizzard control table to peel gizzards manually or as a backup for automatic gizzard harvesters with higher capacity. Table cover also acts as positioning channel for the gizzards.

- length: 770 mm
- width: 455 mm
- height: 850 mm
- weight: 60 kilos
- motor power: 0,55 kW
- water consumption: 150 L/h
- water connection: 20 mm

C18 *GIBLET PUMP*

- stainless steel and nylon constructed gible pump
- 4" pump with an out feed of 2, 3 or 4 depending on the product and capacity
- the pump is suitable for hearts, liver, gizzards, necks and heads

- speed adjustable by air regulation valve
- operates on compressed air
- including stainless steel hopper of 450 x 550 mm
- length: 430 mm excluding hopper
- width: 375 mm
- height: 1.900 mm
- air consumption: 3.6 m³/h at 8 bar
- capacity: depends on product

C19 *BOW STRAINER GIBLETS*

- stainless steel constructed bow strainer for giblets, which were pumped by a gible pump

- including connections
- length: 375 mm
- width: 300 mm
- height: 600 mm
- weight: 40 kilos

Area 4 Chilling Area

D2 *OVERHEAD CONVEYOR 6" P*
MODEL 6" P

- calibrated 1" link chain
- plastic trolleys
- plastic wheels with stainless steel bearings
- trolleys suitable for 1 1/4" pipe track
- section length: 1.000 mm
- bolts and lock nuts
- weight per 1.000 mm: 6.5 kilos

D2,01 *Pipe track 1 1/4" ss*
MODEL 1 1/4" SS

- pipe track 1 1/4" stainless steel
- length: 1.000 mm
- weight: 4 kilos

D2,02 *Suspension sets for chilling area (mtr)*

- includes suspension pipe, suspension shoes and brackets
- suspension frames for drive units and tensioners
- all stainless steel

D2,03 *Corner 90 - 480 SS*

- stainless steel bend 90 degrees 1 1/4" pipe
- wheel diameter 480 mm
- nylon constructed wheel with ball bearings

D2,04 *Corner 180 - 480 SS*

- stainless steel bend 180 degrees 1 1/4" pipe
- wheel diameter 480 mm
- nylon constructed wheel with ball bearings

D2,05 *Tensioner 180 - 480 SS*

- stainless steel line tension unit 180 degrees, 1 1/4" pipe
- wheel diameter 480 mm
- nylon constructed wheel with ball bearings
- stainless steel spindle for tension adjustment

D2,06 *S-Bend (ss)*

- stainless steel vertical "S" bend for 1 1/4" pipe
- down part has strip welded on top for wheel guiding
- up part has top guide welded for wheel guiding

D2,07 *Shackle guiding (meter)*

- stainless steel shackle guide bar at hang on position
- including stainless support
- 10 mm round bar

- D2,08 *Drive, gear motor 0.37-180/240*
- stainless steel construction
 - drive wheel direct on gearbox shaft bend radius 240 mm
 - 180 degrees drive bend
 - to be connected to a frequency convertor
 - motor power: 0.37 Kw
- D2,09 *Frequency converter 2-37*
- frequency converter built in a control box with motor protection units
 - voltage: 380/50 Hz - 440/60 Hz
 - capacity: 2 x 0.37 Kw
- D2,1 *Drip shackle 4 plastic*
- nylon constructed shackle
 - suitable for drip lines and/or air chilling conveyors
 - suitable for corners 140 radius
 - bird hangs in shackle by two legs if used as a two birds shackle
 - length: 90 mm
 - width: 120 mm
 - height: 80 mm
- D3 *SPRAY SYSTEM*
- stainless steel constructed spraying frames with nozzles which are placed in the air chill frame after each 10 / 15 minutes
 - the system should be connected to a cold-water system with a water pressure according the main water supply
 - stainless steel piping to create a central connection point
- D4 *UNLOADER FOR PLASTIC DRIP SHACKLE 4*
- stainless steel constructed unloading device for drip shackle 4
 - length: 770 mm
 - width: 590 mm
 - height: 850 mm
- D5 *STEEL CONSTRUCTION CHILLING AREA*
- steel construction chilling area
 - prefabricated frame of stainless steel square tube of 100 x 100 x 3 for suspending the overhead conveyor
 - dimensions according the layout drawing

Area 5 Weighing/Packing Area

- E1 *OVERHEAD CONVEYOR 8" P*
MODEL 8" P
- calibrated 1" link chain
 - plastic trolleys
 - plastic wheels with stainless steel bearings
 - trolleys suitable for 1 1/4" pipe track
 - section length: 1.000 mm
 - bolts and lock nuts
 - weight per 1.000 mm: 5 kilos
- E1,01 *Pipe track 1 1/4" ss*
MODEL 1 1/4" SS
- pipe track 1 1/4" stainless steel
 - length: 1.000 mm
 - weight: 4 kilos
- E1,02 *Suspension set for 1 1/4"ss (meter)*
- includes suspension pipe, suspension shoes and brackets
 - all stainless steel
- E1,03 *Corner 90 - 480 SS*
- stainless steel bend 90 degrees 1 1/4" pipe
 - wheel diameter 480 mm
 - nylon constructed wheel with ball bearings
- E1,04 *Tensioner 180 - 480 SS*
- stainless steel line tension unit 180 degrees, 1 1/4" pipe
 - wheel diameter 480 mm
 - nylon constructed wheel with ball bearings
 - stainless steel spindle for tension adjustment
- E1,05 *S-Bend (ss)*
- stainless steel vertical "S" bend for 1 1/4" pipe
 - down part has strip welded on top for wheel guiding
 - up part has top guide welded for wheel guiding
- E1,06 *Shackle guiding (meter)*
- stainless steel shackle guide bar at hang on position
 - including stainless support
 - 10 mm round bar
- E1,07 *Drive, gear motor 0.75-90/240*
- stainless steel construction
 - drive wheel direct on gearbox shaft bend radius 240 mm
 - 90 degrees drive bend
 - to be connected to a frequency convertor
 - motor power: 0.75 Kw

- E1,08 *Frequency converter 1-75*
 - frequency converter built in a control box with motor protection units
 - voltage: 380/50 Hz - 440/60 Hz
 - capacity: 1 x 0.75 Kw
- E1,09 *Weighing shackle*
 - Stainless steel constructed shackle for overhead weighing system
 - plastic rollers for free run on scale section
 - none contact drop off shackle
 - length: 140 mm
 - width: 110 mm
 - height: 250 mm
- E2 *REHANG TABLE 2 - 600*
 MODEL 2 - 600
 - stainless steel constructed table with height adjustable legs
 - stainless steel perforated top
 - length: 2.000 mm
 - width: 600 mm
 - height: 880 mm
 - weight: 60 kilos
- E3 *WEIGHING BRIDGE (SCALE DECK)*
 Weighing bridge (Scale deck)
 - stainless steel constructed and food approved nylon frame
 - suitable for floor mounting or mounted on a beam construction
 - available for grading or cut up lines
 - length: 1715 mm
 - width: 1205 mm
 - height: depends on the height of the line
 - weight: 120 kilos
- E4 *OVERHEAD SYSTEM CONTROLLER*
 - 16 unloaders
 - 17" TFT monitor with printer and keyboard
 - Windows operator interface with multi-language capability
 - Zone, lever, and vision grading for up to 4 grade zones (Software only)
 - Selectable rate of drop for each unloader
 - Bin filling by count for each unloader
 - Ability to alternate between unloaders with overlapping settings
 - Ability to prioritize unloader selections
 - Weight and count totals and weight distribution histograms by lot
 - Shackle tare calibration
 - Both automatic and manual load cell calibration
 - Line stretch compensation with sensors and frame
 - Multiple lots and production schedules
 - Auto rehanger interface

- E4,01 *Connection set weighing bridge*
consists of:
- 1x switch box for load cell
 - 100 meter twisted pair signal cable for connecting the weighing bridge with the overhead system controller
 - 50 meter 3x1 cable for connecting the banner sensor with the overhead system controller
 - calibration weight and zero flag shackle
- E4,02 *LINE STRETCH COMPENSATION FRAME*
- line stretch compensator frame
 - including sensors and 10 meter cable 3x1 for connecting the sensors with the switchbox of the unloaders
 - length: 390 mm
 - width: 170 mm
 - height: 670 mm
- E5 *DROP OFF STATION*
Drop off station
- stainless steel constructed frame and food approved nylon
 - frame is height adjustable
 - working with pneumatic cylinder for unloading the bird
 - length: 560 mm
 - width: 600 mm
 - height: adjustable
 - weight: 20 kilos
- E5,01 *Connection set unloaders*
consists of:
- 1x switch box for a group of unloaders
 - 100 meter 2x1 cable for connecting the unloaders with the switchbox
 - 50 meter 21x1 cable for connecting the switchbox with the overhead system controller
 - tube 40x40 for suspending the unloaders
 - central air pipe with reducing unit to connect the unloader
 - this set is suitable for a maximum distance between the first and last unloader of 12 meter
- E6 *COLLECTING BIN*
Collecting bin
- stainless steel constructed bin
 - frame is height adjustable
 - bottom of the bin is made of stainless steel rods
 - packing frame is mounted in front of the bin
 - length: 920 mm
 - width: 805 mm
 - height: 1380 mm
 - weight: 80 kilos

E8

PACKING HORN

- Manual operated tool to bag broilers in plastic bags. The horn has a fixing rod and bracket for mounting to a working table. The horn is spring loaded for easy passing of the broiler into the plastic bag. The entire unit is stainless steel constructed and is suitable for lower capacities.

- length: 350 mm
- width: 240 mm
- height: 420 mm
- weight: 4 kilos

Area 6 Cut-up Area

F1 *COMPACT CUT UP SYSTEM 5.5* MODEL 5.5

- Basic section of the frame of the compact cut up systems. This unit has a length of 5,500 mm and includes the drive (including frequency converter) Tensioner for the line all stainless steel plating, guides, square tubes, frames, turning points and the special cut up shackles which are spaced at 12 inches. The unique design ensures easy extension to create longer lines. The standard height is 2,300 mm but other heights are possible. The heavy duty chain from which the shackles are hung ensure a long maintenance-free life time.
- length: 5450 mm
- width: 1285 mm
- Frame height: 2000 mm
- weight: 550 kilos
- motor power: 1.1 kW
- number of shackles: 35
- capacity: up to 6.000 per hour

F1,01 *Compact cut up 1mtr. ext.* MODEL 5.5 extension

- Compact cut up line extension for the standard compact cut up system. Each add on section creates an additional 1.000 mm of space to have more room for logistics or extra cutting modules. This unit is an indissolubly part of the compact cut up system model 5,5 and only to be used for lines up to 10 meters in length. It comes completely with stainless steel plating.
- length: 1070 mm
- width: 1285 mm
- height: 2300 mm
- weight: 105 kilos
- number of shackles: 7

F2 *CONTROL BOX 10* MODEL 10 MOTORS

- electric control box mounted on the compact frame
- suitable to connect ten motors
- length: 800 mm
- width: 800 mm
- height: 350 mm
- weight: 50 kilos

F3 *WING CUTTER HR*
MODEL HR

- stainless steel constructed machine to cut off both wings or wing parts attached to the breast part
- machine cuts in such a way that only a little breast meat is attached to the wings
- machine can be by-passed in less than one minute
- high yield
- frequency converted driven
- length: 1665 mm
- width: 1035 mm
- height: 1500 mm
- weight: 75 kilos
- motor power: 2 x 1,1 KW 1x 0,75Kw
- capacity: up to 6.000 b.p.h.

F4 *FRONT PIECE CUTTER*

- stainless steel constructed machine to cut off the front piece of the breast
- breast part without back bone
- can be by-passed in less than one minute
- length: 1185 mm
- width: 645 mm
- height: 1225 mm
- weight: 75 kilos
- motor power: 2 x 1,1 Kw
- capacity: up to 6.000 b.p.h.

F5 *HALVING MACHINE 1*
MODEL 1 BLADE

- stainless steel constructed machine to cut the breast part from the saddle
- also suitable for breast quarters after lengthwise cutting
- single blade driven by electric motor
- machine can be by-passed in less than one minute
- length: 590 mm
- width: 945 mm
- height: 1330 mm
- weight: 65 kilos
- motor power: 1,1 Kw
- capacity: up to 6.000 b.p.h.

F6 *SADDLE CUTTER 2 BLADES*
MODEL 2 BLADES

- stainless steel constructed machine to cut through the back bone of the saddle giving two whole legs
- machine also has the possibility to cut out the back completely
- machine can be by-passed in less than one minute
- length: 855 mm
- width: 600 mm
- height: 1.275 mm
- weight: 85 kilos
- motor power: 2 x 0.55 Kw
- capacity: up to 6.000 b.p.h.

F7 *THIGH/DRUMSTICK JOINT CUT*

- stainless steel constructed machine to separate the thigh from the drumstick
- both parts coming from this machine are anatomically cut and suitable for automatic deboning
- machine can be by-passed in less than one minute
- length: 710 mm
- width: 1345 mm
- height: 1080 mm
- weight: 60 kilos
- capacity: up to 6.000 b.p.h.

F8 *COMPACT UNLOADER*

- Unloading device in the compact cut up line, normally situated at the end of the cutting cycle. Unit is suitable to unload drumsticks or legs from the cut up shackle. Stainless steel constructed with its own clamp-on frame.
- length: 550 mm
 - width: 505 mm
 - height: 975 mm
 - weight: 8 kilos
 - capacity: up to 6.000 b.p.h.

Area 7 Offal Handling Area

G1 *FEATHERS PUMP MODEL K - E*
MODEL K - E

- Turo Cantilever pump
- suitable for installation at bottom of offal pit
- cast iron house and impeller
- weight: 45 kilos
- motor power: 10 KW
- capacity: approx. 200 m³/h

G4 *VACUUM PUMP C-RVS 23*
MODEL C-RVS 23

- liquid ring vacuum pump
- casing in cast iron, impeller in bronze and shaft in stainless steel
- unit is suitable for automatic vent cutter's and automatic final control machine's vacuum requirements
- water separator 26 liters
- length: 1.640 mm
- width: 740 mm
- height: 1.775 mm
- weight: 610 kilos
- motor power: 15 Kw