

stainless steel designs



natural casing machinery

## **CASING CLEANING EQUIPMENT, BY PRODUCTS EQUIPMENT**

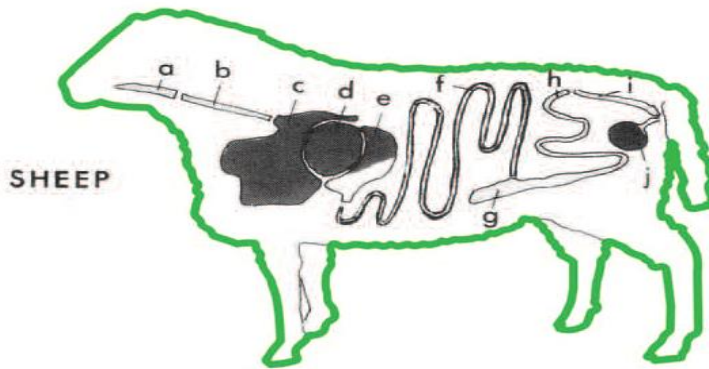
All Casing cleaning machinery referred to in the price list have mainframe components (castings) produced from AISI 304 grade Stainless Steel, any variation to this will be the higher grade AISI 316.

Driving gears are a mix of poly acetyl and carbon steel heat treated for corrosion and wear resistance, axle shafts are treated in the same manner. Guarding is provided for rollers, gears and other moving components and where guards are easily removable security switches are provided. The basic equipment price includes for direct on line starting low voltage control panels can be provided if required to suit individual applications.

SSD casing cleaning equipment is designed to process the small intestine of the animal stated this is also referred to as the Gut, runner or casing. References to manure are in fact to the waste food content of the gut present in the gut at the time of kill. Reference to fresh casings mean cleaning the casing "fresh" shortly after kill. Collected casings mean casings that are shipped from the slaughter house to a separate cleaning plant for cleaning some time later. In such instances the manure content must be removed with a manure stripping machine as listed on page one immediately after kill and before shipment occurs.



# SSD Natural Sheep Casing Cleaning

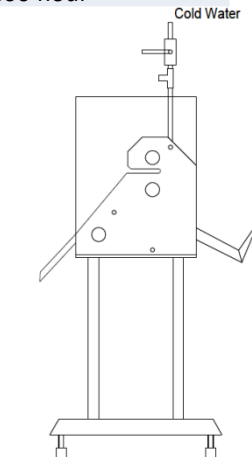
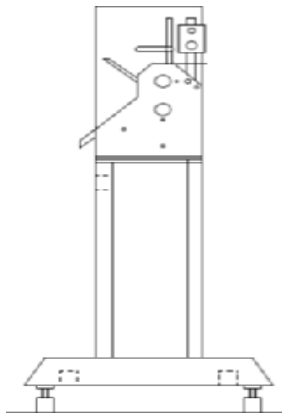


- a) Tongue
- b) Gullet
- c) 1st Stomach
- d) 2nd Stomach
- e) 3rd Stomach
- f) Sheep casing 30 metres approx.
- g) Bung 1 metre approx. (Capend and Afterend)
- h) Middle 2 metres approx.
- i) Fatend 50cm
- j) Bladder

# HIGH DUTY MANURE STRIPPING MACHINES IN STAINLESS STEEL.

The SSD range of high duty manure stripping machines are intended for removing the manure (waste food) content from the small intestine of Hog, sheep/goat and cattle shortly after kill. Capacities stated are based on the runners being fed approximately at the runner centre into the machine evenly and consistently.

| Roller Size | Capacity |
|-------------|----------|
| 400mm       | 150 hour |
| 600mm       | 250 hour |
| 800mm       | 350 hour |
| 1000mm      | 500 hour |
| 1200mm      | 600 hour |
| 1500mm      | 800 hour |



# HIGH DUTY SHEEP GUT PULLING EQUIPMENT.

The SSD range of high duty sheep gut pulling machines are intended to be sited in slaughterhouses and used to separate the small intestine of sheep from the viscera shortly after kill, capacities stated are based on the runner being pulled from the centre thus pulling both halves of the runner away from the viscera simultaneously, and that ten runners are picked and pulled at the same time.

Immediately after separation of the runner with the above machines the manure content must be removed from the runner, equipment for this purpose is detailed on page 1. Alternatively, a combined pulling/stripping machine may be used these are specified below and operate on the same centre pull principles.

| Roller Size | Capacity |
|-------------|----------|
| 400mm       | 150/hour |
| 460mm       | 250/hour |
| 600mm       | 400/hour |

|                                   | Roller size | Capacity |
|-----------------------------------|-------------|----------|
| <u>Mini combination Machine</u>   | 460mm       | 250/hour |
| <u>S.G.P. Combination Machine</u> | 600mm       | 400/hour |
| <u>S.G.P. Combination Machine</u> | 800mm       | 600/hour |



SGP 460 Mini Combination  
Sheep Gut Pulling Machine



**Note:** If the sheep bung is being recovered for process on other equipment the sheep gut pulling machine operator will, at the above capacities have insufficient time for recover of the bung, this should be done by others.

# LOW CAPACITY SHEEP GUT CLEANING LINES

The SSD2/400HS Gut cleaning system comprises one Tongue feed Stripper Crusher machine, a Finishing machine, Stainless Steel support/soak tank and finished casing tank.

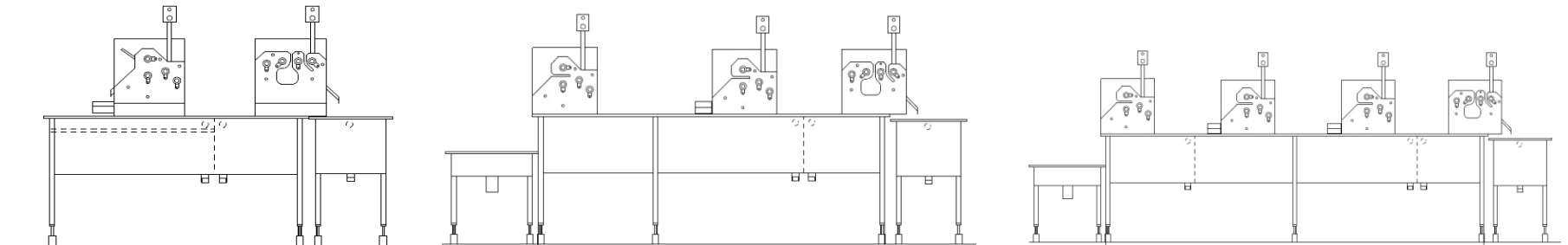
This system is ideally suited for the small processor typically cleaning 200 Hog or sheep casings per day. Suitable for use either in the slaughter house or at a factory some distance from the slaughter house. In either event the runners must be manure stripped at the time of kill either with the Stripper crusher machine which is supplied with the system, or a manure stripping machine (see page 1.).

The necessary further strip/crush operations are again then carried out on the stripper crusher machine with the casings being allowed to soak in water between stages, (further detail on request).

The SSD3 machine Gut cleaning system comprises of Two Stripper crushers in the line.

The SSD4 machine Gut cleaning system comprises of Three Stripper crushers in the line.

| Line Type. |  | Roller Length mm | Line Capacity Per hour. |
|------------|--|------------------|-------------------------|
| SSD2/400S  |  | 400              | 60                      |
| SSD3/400S  |  | 400              | 120                     |
| SSD4/400S  |  | 400              | 160                     |



**The extra Stripper crushers supplied in the Casing line each have one function to perform. Therefore, the manual handling time and capacity increases with additional machines.**

# LOW CAPACITY SHEEP GUT CLEANING LINES

The SSD2/600HS Gut cleaning system comprises one Tongue feed Stripper Crusher machine, a Finishing machine, Stainless Steel support/soak tank and finished casing tank.

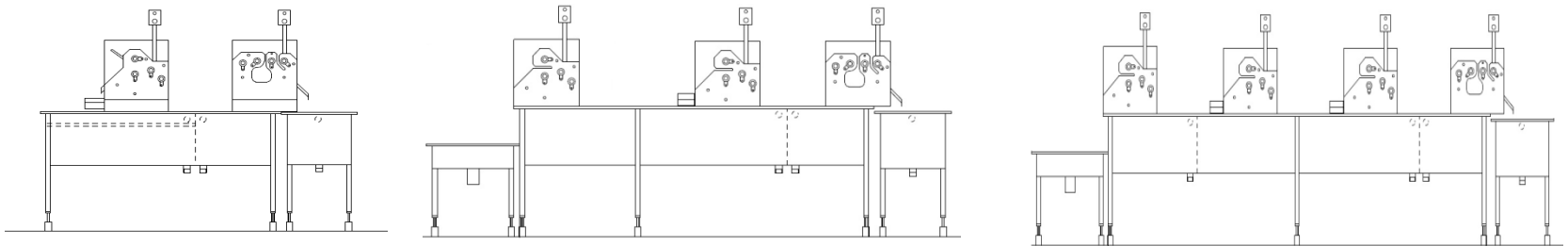
This system is ideally suited for the small processor typically cleaning 200 Hog or sheep casings per day. Suitable for use either in the slaughter house or at a factory some distance from the slaughter house. In either event the runners must be manure stripped at the time of kill either with the Stripper crusher machine which is supplied with the system, or a manure stripping machine (see page 1.).

The necessary further strip/crush operations are again then carried out on the stripper crusher machine with the casings being allowed to soak in water between stages, (further detail on request).

The SSD3 machine Gut cleaning system comprises of Two Stripper crushers in the line.

The SSD4 machine Gut cleaning system comprises of Three Stripper crushers in the line.

| Line Type. |  | Roller Length mm | Line Capacity Per hour. |
|------------|--|------------------|-------------------------|
| SSD2/600S  |  | 600              | 80                      |
| SSD3/600S  |  | 600              | 120                     |
| SSD4/600S  |  | 600              | 180                     |



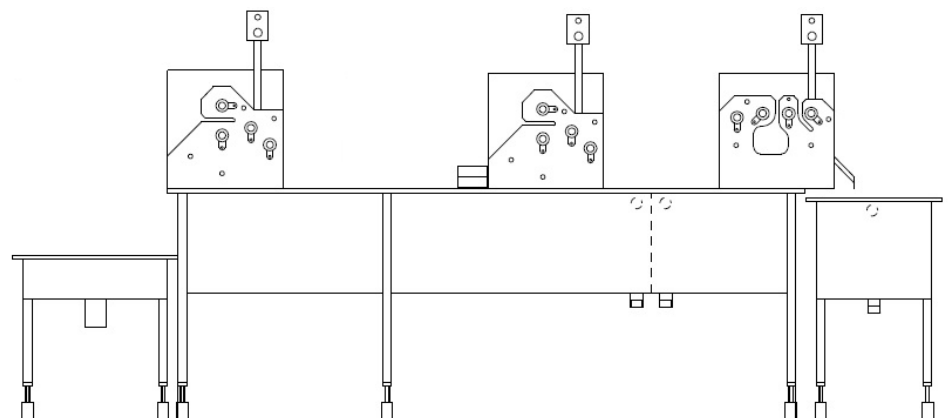
**The extra Stripper crushers supplied in the Casing line each have one function to perform. Therefore, the manual handling time and capacity increases with additional machines.**

# HIGH DUTY COLLECTED SHEEP GUT CLEANING LINES

The SSD3S Gut cleaning system comprises two Side feed Stripper Crusher machines. One Finishing machine, Stainless Steel support/soak tank and finished casing tank.

This system is ideally suited for processing casings that have been manure stripped at the time of kill and then cleaned at a later time. This equipment is not suitable for fresh cleaning.

| Line Type. |  | Roller Length mm | Line Capacity Per hour. |
|------------|--|------------------|-------------------------|
| SSD3/600S  |  | 600              | 240                     |
| SSD3/800S  |  | 800              | 360                     |
| SSD3/1000S |  | 1000             | 480                     |

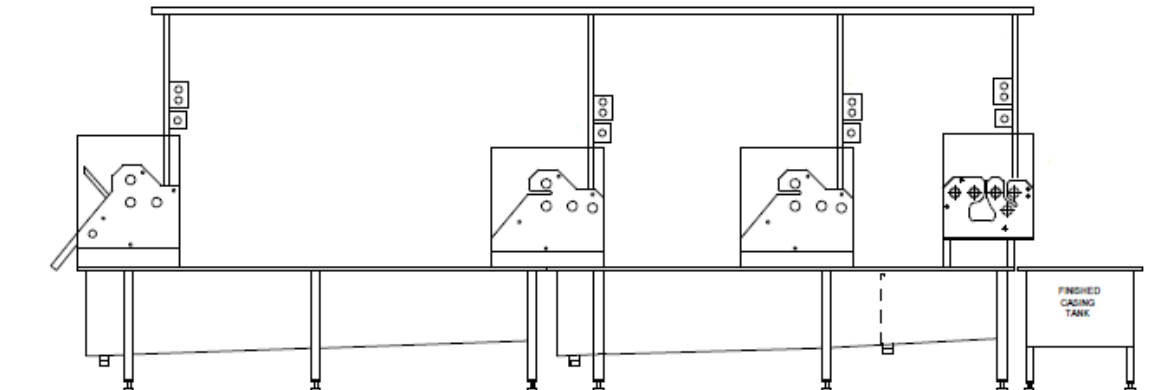


# HIGH DUTY FRESH SHEEP GUT CLEANING LINES.

The SSD4/S Sheep Gut Cleaning systems comprises three Side Feed Stripper Crusher machines, one DP Finishing machine Stainless Steel support/soak tanks and finished casing tank.

Processing the runners shortly after kill, the SSD4/S range will produce a quality sausage casing from the Sheep small intestine. Capacities stated are based on the runners being fed into the system at a point approximately at the centre of the runner along its length, evenly and consistently. Quality and yield of product is dependent on the raw material being processed as soon as possible after the kill and before the material has cooled. This point must be considered when designing any Gut transportation system to transport the Viscera from the slaughter hall to the SSD4/S cleaning line. The lines as described are suitable for hand pulled casings, a sheep gut pulling machine may be used with each SSD4/S lines, the additional cost of SSD4/S lines equipped with a sheep gut pulling machine and tray is given below.

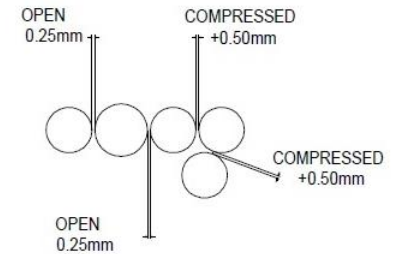
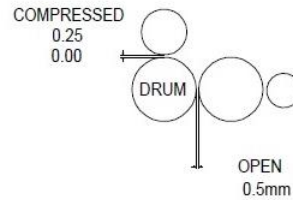
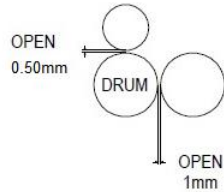
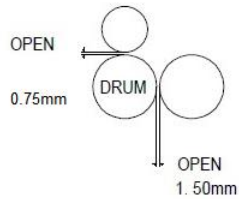
| Line Type. |  | Roller Length mm | Line Capacity Per hour. |
|------------|--|------------------|-------------------------|
| SSD4/600S  |  | 600              | 300                     |
| SSD4/800S  |  | 800              | 440                     |
| SSD4/1000S |  | 1000             | 600                     |



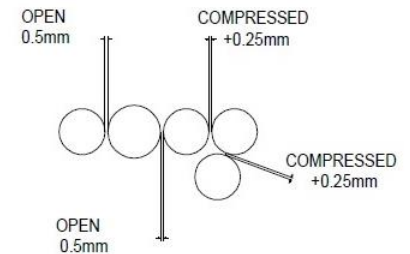
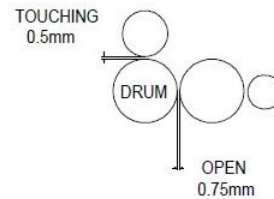
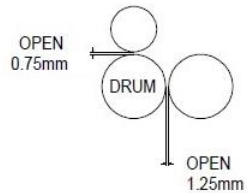
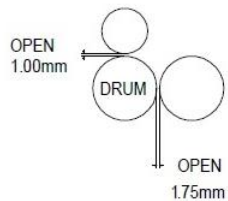


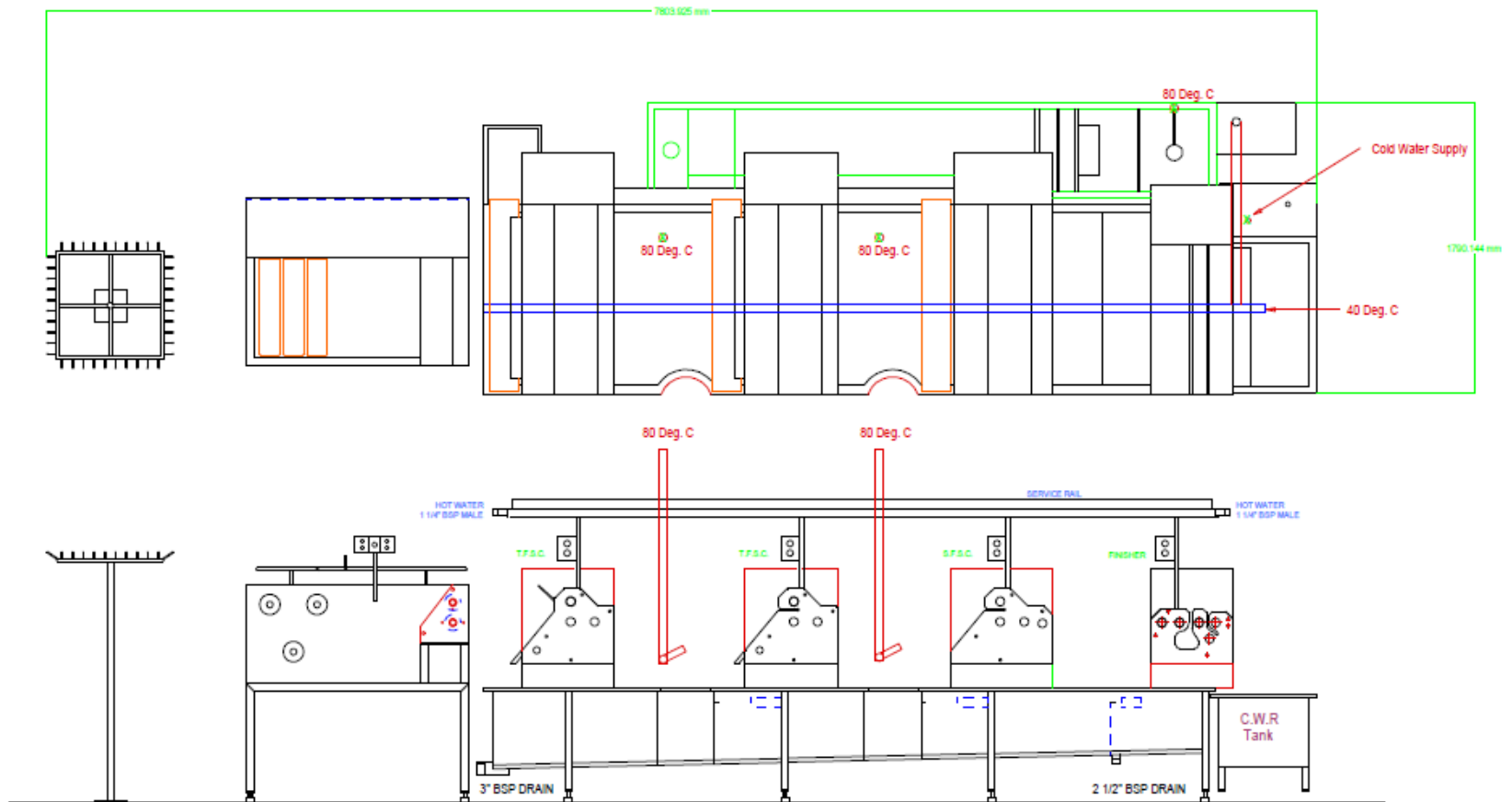
# S.S.D ROLLER SETTINGS FOR SHEEP CASINGS

AT 40° C OPERATING TEMPERATURE WITH WATER



AT 20° C ROOM TEMP. - MACHINES CLEAN AND DRY - NOT OPERATING





SSD Ltd NOTTINGHAM  
ENGLAND

3 METER COMBINATION TANK

ELECTRICAL CONTROL  
PANEL NOT SHOWN.

CLIENT -

1000 SHEEP LINE With Combination M/c

DRAWING No. - L10295

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# MISCELLANEOUS EQUIPMENT

| <b>Cold Water Recycling Units for use with SSD finishing machines.</b> | <b>Hot Water Recycling Units for use with SSD casing cleaning lines and steam reheat.</b> |
|--|---|
| 400mm  | 400mm line  |
| 600mm  | 600mm line  |
| 800mm  | 800mm line  |
| 1000mm   | 1000mm line   |
| 1200mm   | 1200mm line   |
| 1500mm   | 1500mm line   |
| <b>24V Control Panel</b>   | <b>Central Greasing System</b>  |
| 2 machine  | 2 Machine   |
| 3 Machine  | 3 Machine   |
| 4 Machine  | 4 Machine   |
| 5 Machine  | 5 Machine   |
|  |   |
| Casing Pulling Wheel. 350 <sup>Ø</sup>                                 | Green curved Casing knife   |
| Casing Pulling Wheel. 450 <sup>Ø</sup>                                 | Casing Hand Knife ) L/H or R/H  |
| Casing Pulling Wheel 550 <sup>Ø</sup>                                  | Casing Hand Knife ) Plain   |
| 600mm De Blooding Machine  | Gut Wrap Up Removal Knife   |
| 800mm De Blooding Machine  | JT1 Blade for Knife   |
| Casing Spooling Machine  | Plastic Insert for Knife  |
| Casing salting and bundling machine.                                   | Slitter Blades  |
| Selecting Table  | Salting/Netting Table   |
| Salting and netting machine  | Selecting Valve   |