

## **APPENDIX C**

### **PELTING EQUIPMENT**

## Pelting Plant Equipment

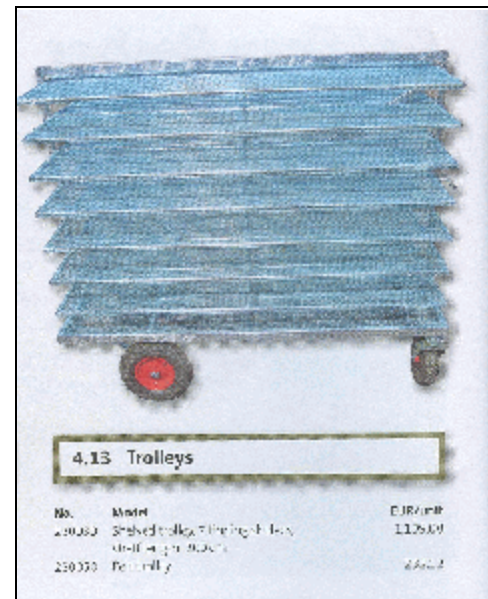
Following is a description of the type of equipment used in the pelting process that will be purchased by Labrador Fur Farms Ltd. for its operation in the future. During the first one to two years of operation the company plans to utilize an existing pelting operation, until production reaches a level required to justify its own pelting line.

- Killing Trolleys:*** After the mink are graded at the farm, those selected for pelting are placed in the Killing Trolleys to be euthanised. See Figure 1 for an example of a killing trolley.



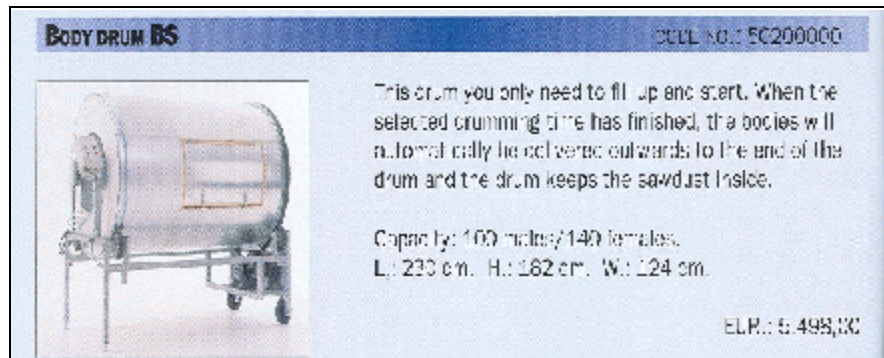
**Figure 1: Killing Trolley**

- Body Trolleys:*** Once removed from the Killing Trolleys the mink are placed on the Body Trolleys while waiting for the pelting process to begin. See Figure 2 for a picture of this equipment.



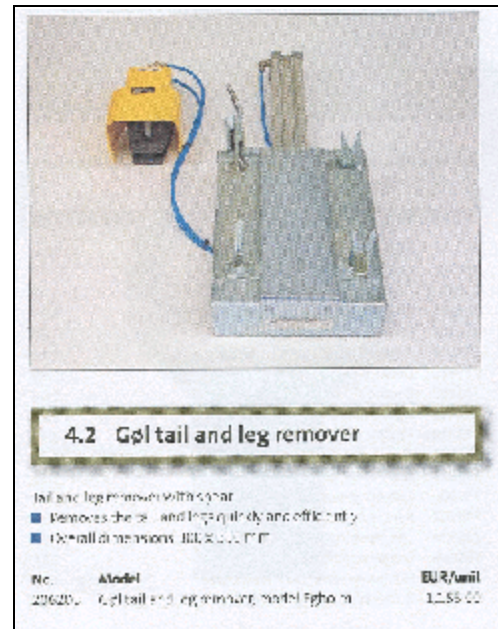
**Figure 2: Body Trolley**

- Body Drum:*** The Body Drum prepares the mink for the skinning process. The bodies are tumbled in the drum with sawdust to remove dirt/grease from the pelts. See Figure 3 for an example of a Body Drum.



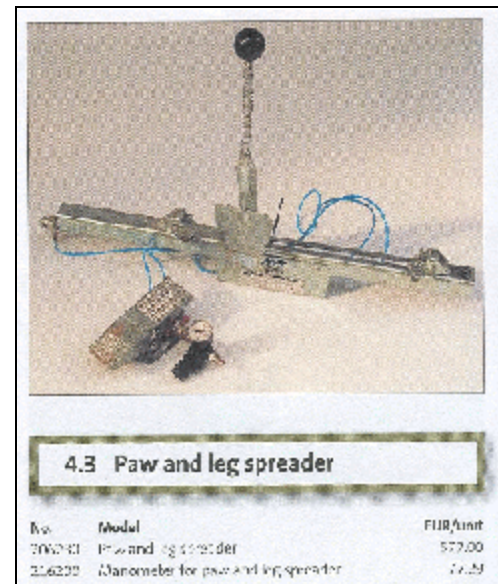
**Figure 3: Body Drum**

- **Tail and Leg Removers:** The Tail and Leg Removers are used to cut off the mink's tail and legs prior to skinning. Figure 4 provides a picture of this type of equipment.



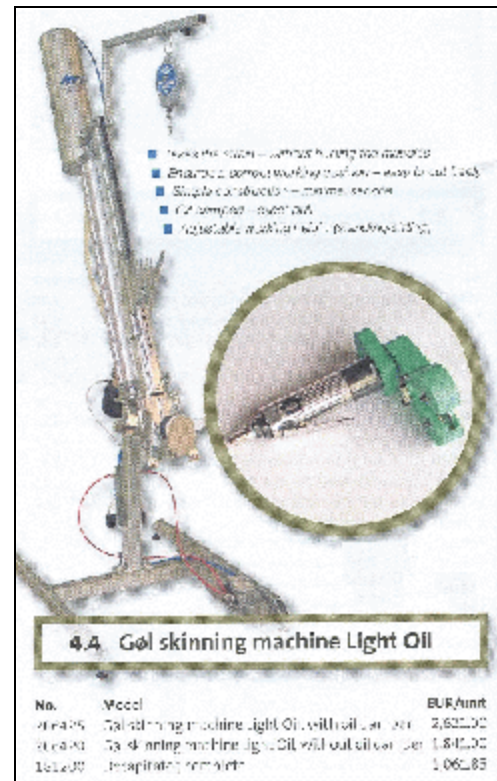
**Figure 4: Tail and Leg Remover**

- **Paw and Leg Spreaders:** The Paw and Leg Spreaders are used in the final step before skinning. They loosen the skin from the body to make the skinning process easier and less likely to damage the pelt. Figure 5 shows this type of equipment.



**Figure 5: Paw and Leg Spreader**

- **Skinning Machines:** Skinning Machines are used help in the process of separating the skin from the body. Figure 6 illustrates this type of equipment.



**Figure 6:** Skinning Machine

- **Fleshing Machines:** Once the pelt is separated from the body, the flesh and fat remaining on the pelt has to be scraped off using a fleshing machine, such as the one illustrated in Figure 7.
- **Drums:** After fleshing the pelts need to be placed in drums containing sawdust to remove any remaining grease.

# HG Fleshing machine

## – Fast on big skins too

The robust, P.L.C. controlled HG fleshing machine lets you set a program to match a certain type of skin, and so achieve the best possible fleshing results. The programming itself is very simple and is done through a finger touch system or the screen.

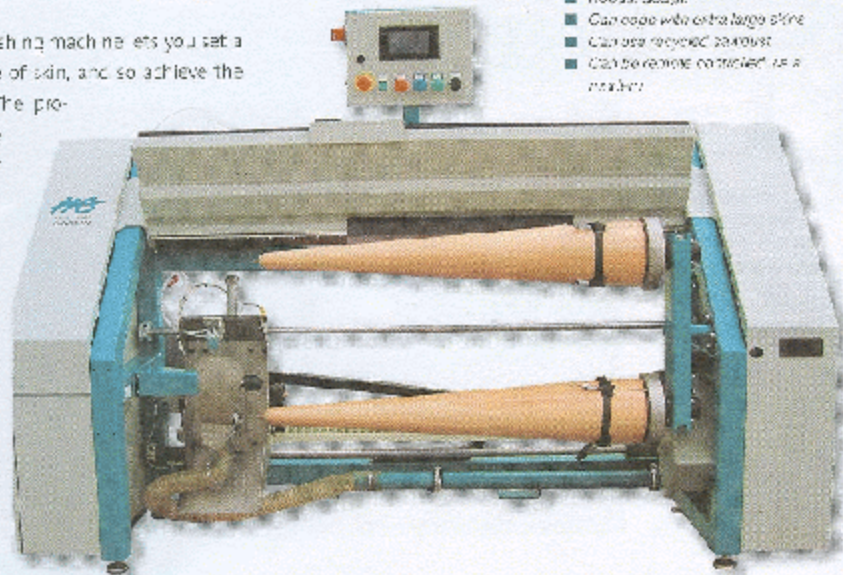
The machine is also available with a modern, so it can be remote controlled by the Hedensted Group. This solution can save you both time and money if there should be any stoppages.

The large fleshing sticks (diameter 20 cm) mean that the machine is especially suitable for very large skins. The stick rotation is increased automatically as the motor approaches the stick.

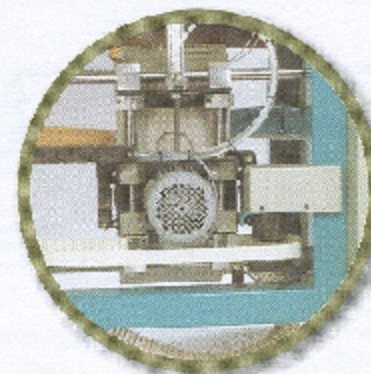
The fleshing machine has an integrated automatic sawdust function with a capacity big enough so that you do not need to constantly worry whether it is filled.

The moveable plates in the automatic sawdust function allow the machine to use recycled sawdust.

- Up to 120 skins an hour
- Robust design
- Can cope with extra large skins
- Can use recycled sawdust
- Can be remote controlled via a modem



The location of the scanning sensor means that the comb or rakes do not smash the skin fibres, a high speed of rotation. This means that the loading rate and thus the capacity is increased.



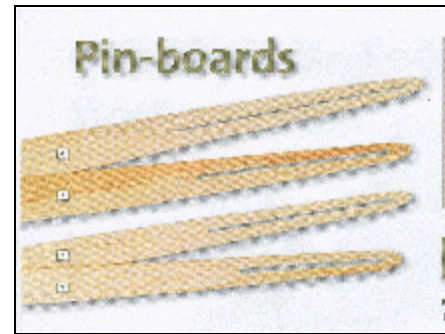
The offsetting of the motor allows precise scraping and a fast return stroke.

### 4.15 HG fleshing machine

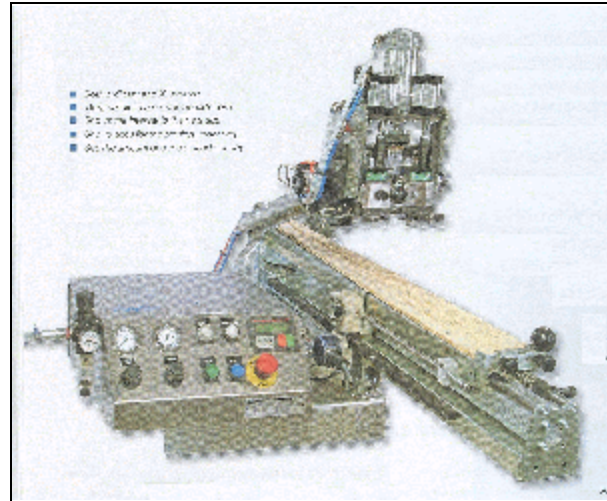
No.	Model	EUR/unit
197000	HG fleshing machine	18,182.00
197001	On line reading	510.75
201104	HG fleshing machine, Samson Robot, with lower size sticks and optical sensors	6,707.00

Figure 7: Fleshing Machine

- **Boards and Pinning Machines:** After final drumming the pelts are stretched onto Pin Boards in preparation for the drying process. A Pinning Machine is used to help stretch the pelt and staple it to the Board. An illustration of a type of Board and Pinning Machines is provided in Figures 8 and 9.



**Figure 8:** Pin-Boards



**Figure 9:** Pinning Machine

- **Drying System:** After placing the pelts onto Boards, they are brought to the drying room. The temperature and humidity in the room will be controlled. The Boards are hung from Drying Boxes, which contain a series of tubes through which air is blown. Over a three to four day period this system will properly dry the skins. Figure 10 illustrates a type of drying system and the Drying Boxes.

# DRYING UNITS

## DRYING UNITS Q-VEX

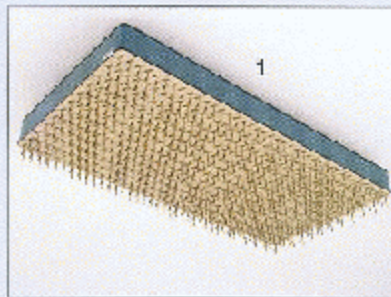


The drying unit Q-Vex model 4000, 8000 and 12000 monitors automatically the temperature, humidity and air quantity. The unit consist of a fan, humidor, heat element and the new automation. The unit constantly monitors the conditions of the inflow, which gives precise and correct air quantity for the skins.

Drying time	approx. 3 - 4 days.
Dehumidifying	15 gr. Water/skin/day.
Temperature	18 - 20.
Relative humidity	55 - 60 RH.
Air quantity	4000 - 20000/h.

Model 4000	EUR.: 14.835,00
Model 8000	EUR.: 20.135,00
Model 12000	EUR.: 25.540,00

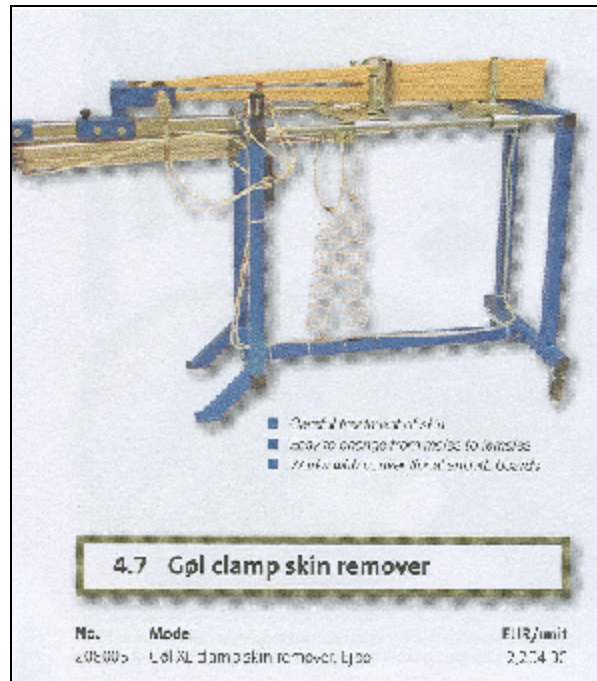
## DRYING BOXES



80003200	Drying boxes with brass peg, 320 pipes.	EUR.	1.000,00
80004800	Drying boxes with brass peg, 480 pipes.	EUR.	1.250,00
80002100	Drying boxes A. with plastic hook, 210 pipes.	EUR.	466,20
80002100	Drying boxes B. with plastic hook, 210 pipes.	EUR.	466,20
81002200	Centherm derum difier CEF 22 movable.	EUR.	1.266,60
81003500	Centherm derum difier CEF 35 movable.	EUR.	1.672,85
81005000	Centherm derum difier CEF 50 movable.	EUR.	2.101,75
81008500	Centherm derum difier CEF 85 movable.	EUR.	2.936,90

Figure 10: Drying System

- **Staple and Board Removers:** Once the pelts are properly dried they must be removed from the Boards and then sent to the stock room for storage prior to shipping. This equipment will consist of the same type of equipment illustrated in Figure 11.



**Figure 11:** Skin Remover

- **Storage Room - QStock, Racks, Hangers:** The dried, completed pelts have to be properly stored until packaged for shipment to the auction house. A stock room will be established where the pelts will be properly hung on hangers and racks. The temperature and humidity of the room will be controlled.
- **Miscellaneous Equipment - Compressor, Vacuum Pump, Fat Barrels, Transport Wagons:** In addition to the major equipment outlined above, the pelting plant will also require the following equipment
  - A Compressor to operate the air operated machinery;
  - A Vacuum Pump for the collection of fat/grease;
  - Fat Barrels, where the fat/grease will be collected and stored; and
  - Transport Wagons for the movement of pelts within the building.