

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.

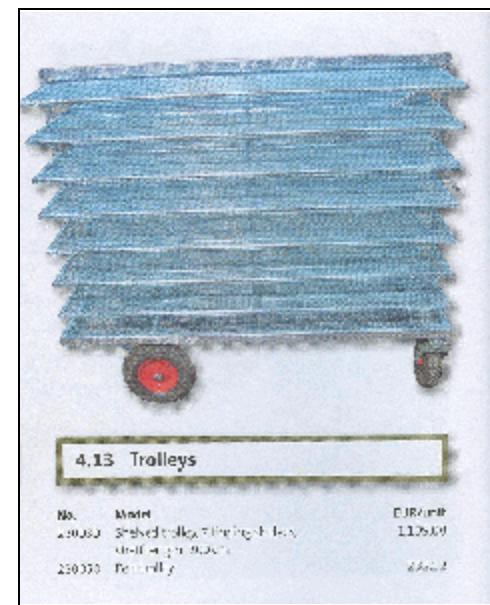


Figure 2: Body Trolley

- **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.

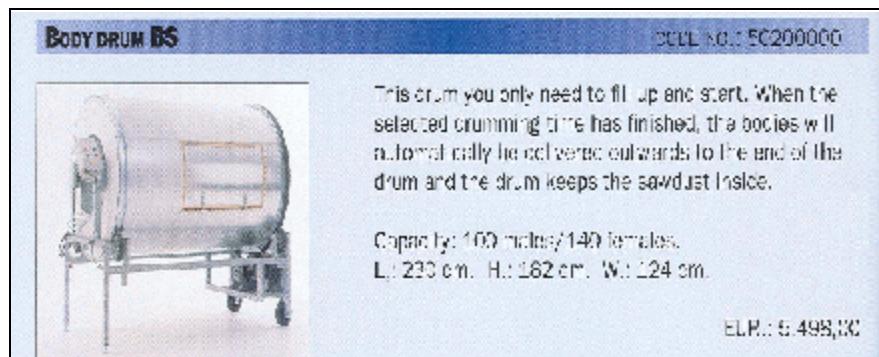


Figure 3: Body Drum

- **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.

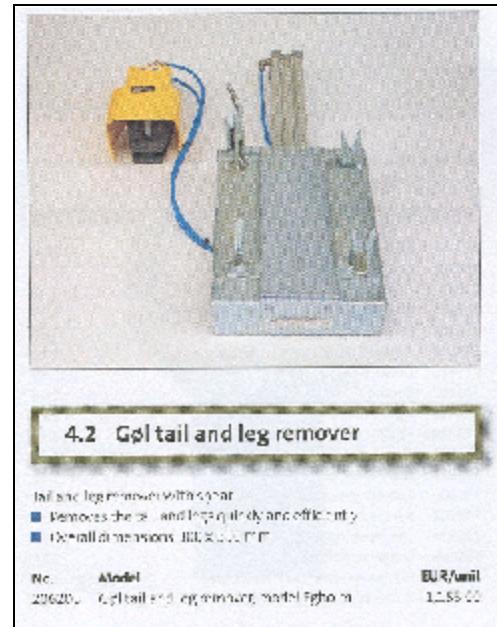


Figure 4: Tail and Leg Remover

- **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.

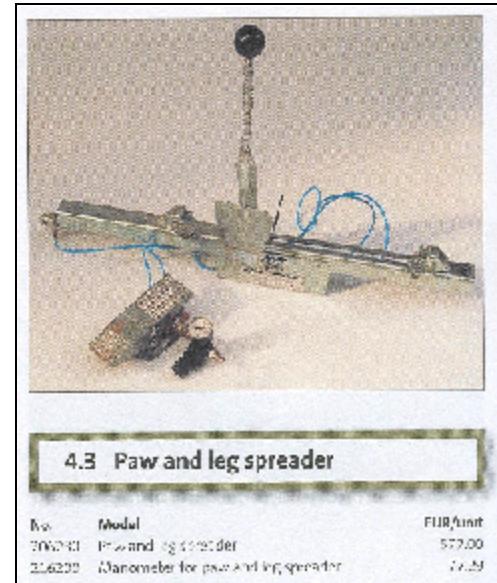


Figure 5: Paw and Leg Spreader

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

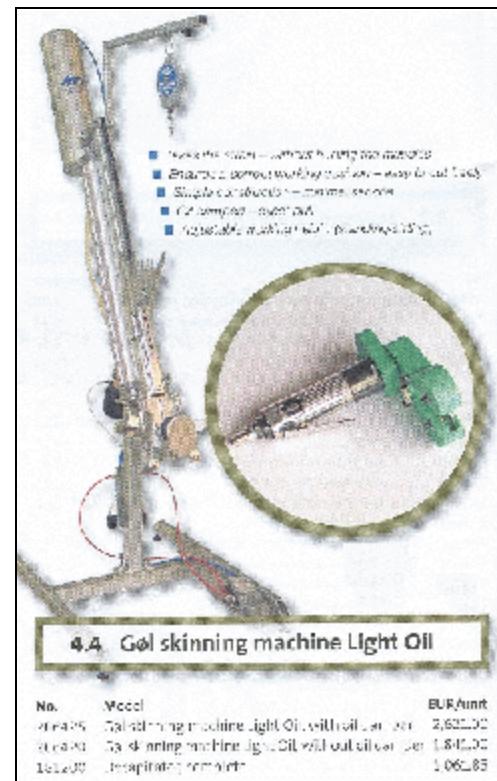


Figure 6: Skinning Machine

- **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 Flesching machine

– Fast on big skins too

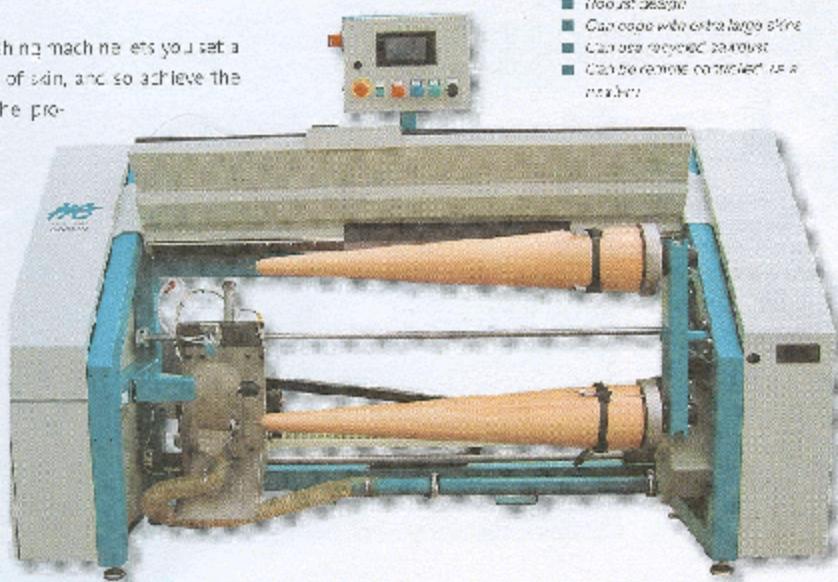
The robust, PLC controlled HG flesching machine lets you set a program to match a certain type of skin, and so achieve the best possible flesching results. The programming itself is very simple and is done through a finger touch system or the screen.

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

The large flesching 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 flesching machine has an integrated automatic sawdust function if the capacity is big enough so that you do not need to constantly worry whether it is filled.

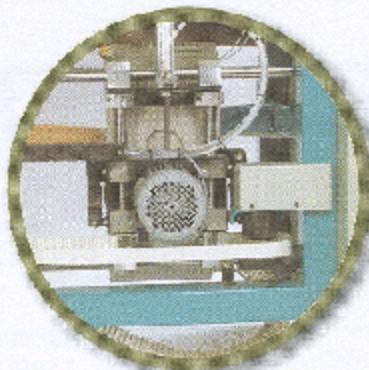
The moveable plates in the automatic sawdust function allow the machine to use recycled sawdust.



- Up to 120 skins at 100%
- Robust design
- Can cope with extra large skins
- Can use recycled sawdust
- Can be easily controlled as a monitor



The location of the scanning sensor means that the computer knows if not enough sawdust is available. This means that the feeding rate, and thus the capacity, is increased.



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

4.15 HG flesching machine

No.	Model	EUR/unit
197000	HG Flesching machine	18,182.00
197001	On line reading	510.75
201004	HG flesching machine, Samson Rotek, with oversize sticks and optical sensors	5,707.00

Figure 7: Flesching 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.

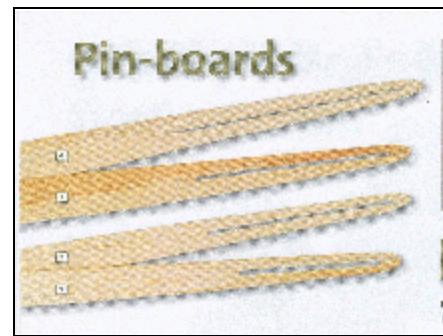


Figure 8: Pin-Boards

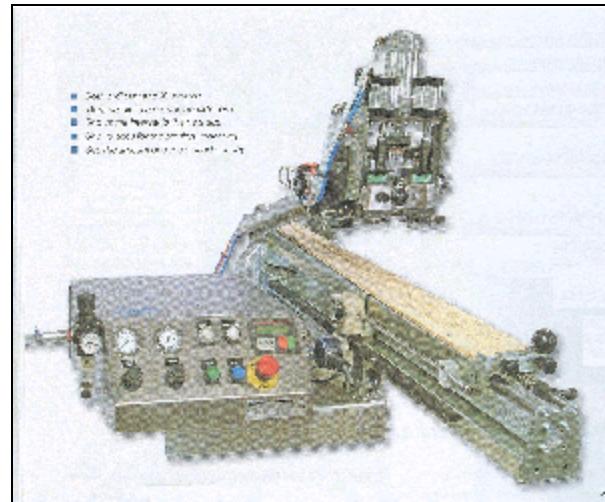


Figure 9: Pinning Machine

- **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

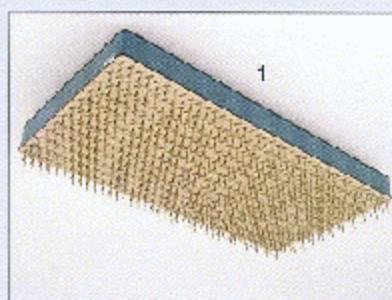


The drying unit Q-Vex model 4000, 8000 and 12000 monitors automatically the temperature, humidity and air quantity. The unit consists of a fan, humidifier, heat element and the new automation. The unit constantly monitors the conditions of the inflow, which gives precise and correct air quantity for 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.: 14.885,00
Model 8000 EUR.: 20.135,00
Model 12000 EUR.: 25.540,00

DRYING BOXES



8C003200	Drying boxes with brass peg, 320 pieces.	EUR.	1.000,00
8C004800	1 Drying boxes with brass peg, 480 pieces.	EUR.	1.250,00
8C012100	Drying boxes A. w/ plastic hook, 210 pieces.	EUR.	466,20
8C012101	Drying boxes B. w/ plastic hook, 210 pieces.	EUR.	466,20
81002200	Dentherm denim drier CD™ 22 movable.	EUR.	1.266,60
81003500	Dentherm denim drier CD™ 35 movable.	EUR.	1.572,85
81005000	Dentherm denim drier CD™ 50 movable.	EUR.	2.101,75
81008500	Dentherm denim drier CD™ 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.