

Mechanisation of sheepskin movement in the preparatory operations in a Spanish tannery

The labour-intensive transfer of sheepskins—between de-woolling, liming, fleshing and pickling, including the handling of the pulled wool—has been addressed by Spanish tanner Adobinve in its new plant at Móra d'Ebre in Catalonia, about 125 kilometres from Barcelona. The system has been designed in collaboration with Adobinve managing director, Jaume Suriñach, and by Italian mechanisation specialist Feltre, working with its official Spanish agent, Prayma.

Feltre S.r.l, based in northern Italy, is well known and respected in the tanning world, not only for its range of standard materials-handling machines, but also for its capacity to design and build customised skin and leather transportation systems. The sheepskin conveyor installation at Móra d'Ebre is a result of the company's extensive experience of developing mechanisation for materials-handling in tanneries.

This presentation aims to show the new installation clearly by means of an introductory flow-chart, followed by a series of photographs showing the application of the conveyor system. 

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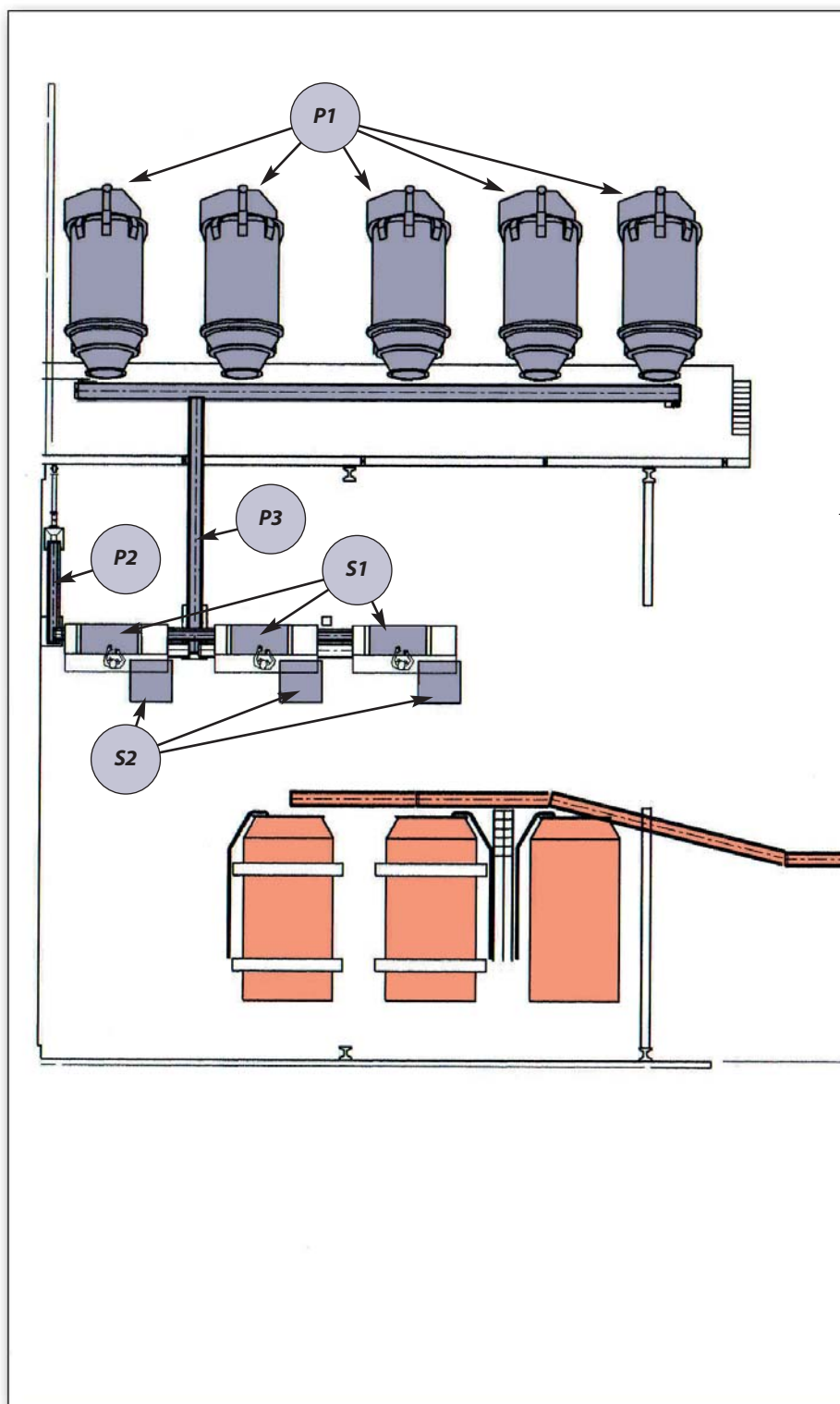
► Floor plan showing sheepskin processing plant and associated Feltre conveyor systems at the Adobinve sheepskin tannery located at Móra d'Ebre in Catalonia.

- P1** – Five pickle mixers
- P2** – Fleshings disposal conveyor
- P3** – Conveyor carrying skins from fleshers to pickle mixers
- S1** – Three fleshers
- S2** – Three flesher feeding containers

- C1** – Conveyor carrying skins from de-woolling plant to the lime mixer loading conveyor
- C2** – Twelve lime mixers loading conveyor

- D1** – Two wool pulling lines

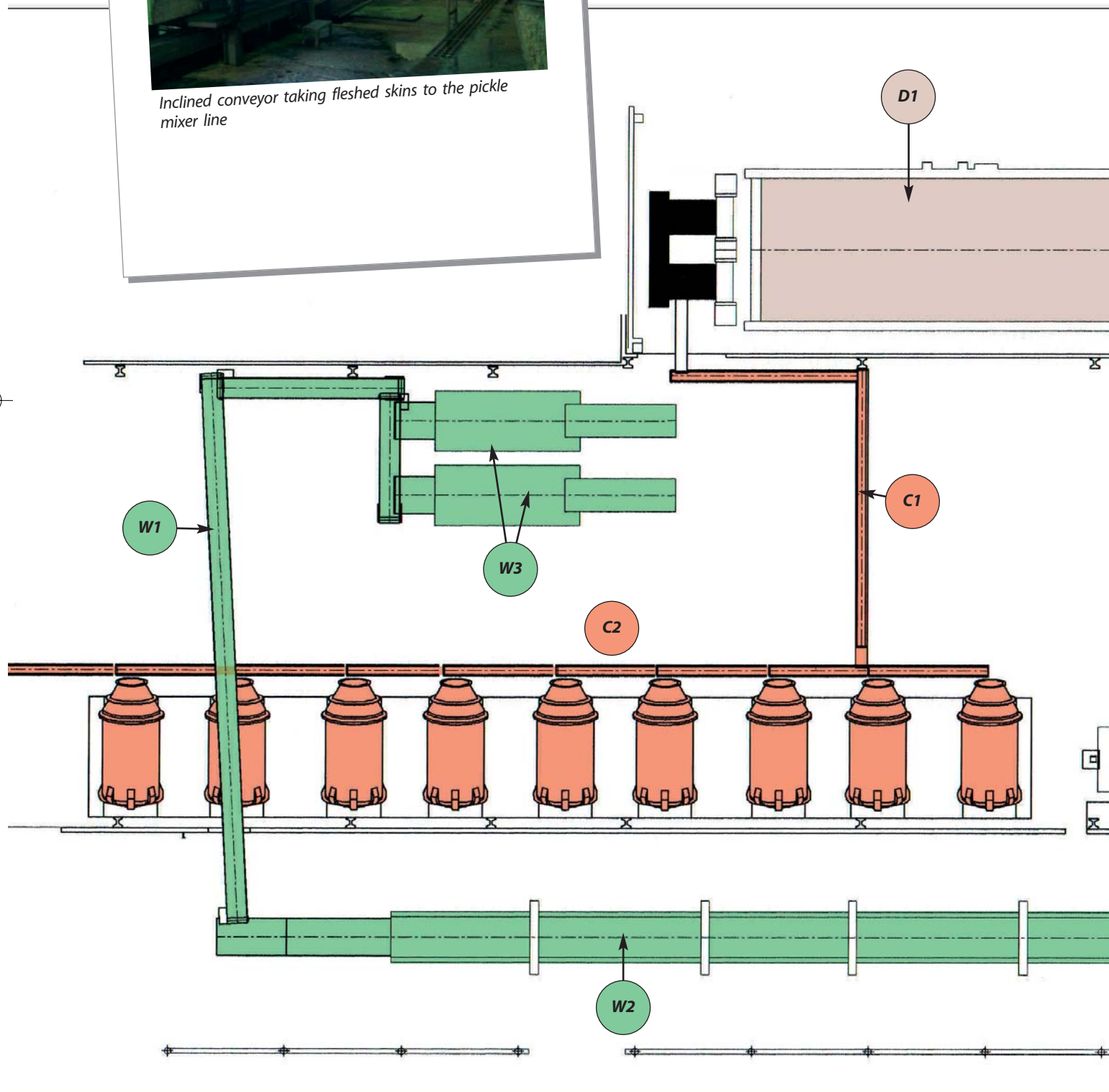
- W1** – Conveyor carrying the wool from the two first wool washing tunnels to second wool washing unit
- W2** – Second wool washing unit
- W3** – Two first wool washing tunnels





Inclined conveyor taking fleshed skins to the pickle mixer line

For further pictures of the Adobinve tannery please turn the page. ➤





MECHANISATION OF SHEEPSKIN MOVEMENT

The Adobinve tannery in pictures



Inclined conveyor taking de-woolled skins up to the liming mixer loading line



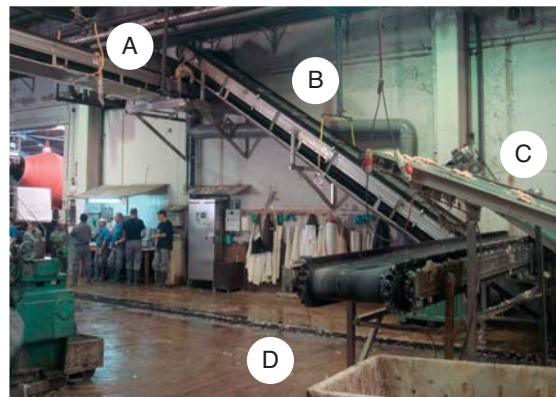
Horizontal conveyor section bridging inclined conveyor and liming mixer loading line



Details of liming mixers loading conveyor



Ergonomic feeding of the two fleshing machines from Feltre inclinable containers



Conveyor arrangement collecting wool after first washing and sending it to the second washing unit.
A – Horizontal conveyor taking wool across bay to second washing
B – Conveyor lifting wool to horizontal conveyor
C – Wool exiting from first washing tunnels
D – Conveyor collecting wool from the two first washing tunnels



Discharging wool from second washing unit