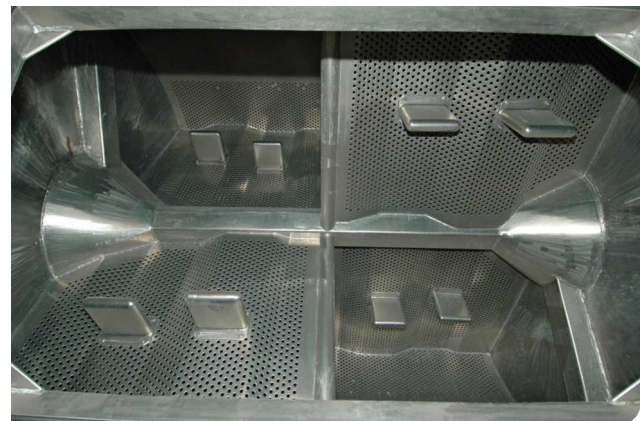


dosemat D421

Stainless steel leather processing machine for retanning and dyeing



Originally the dosemat D421 is based on a two division drum design and became a complete reconditioning with an improvement of the inner design. The machine works with two opposite sliding doors.

dosemat d421

retanning and dyeing drum

Dosemat D421 characteristics

- Stainless steel retanning and dyeing drum
- Double cylinder design with intelligent float circulation system
- Drum dimension: 3.0m x 3.0m
- Machine dimension: 4.50m x 3.35m, height: 3.60m
- Load capacity: 500 to 1500kg wet blue or veg tanned skins
- Two large pneumatic controlled sliding doors
- 850 liters leather chemical preparation tank

Drum

- Complete stainless steel drum
- The drum is made in double cylinder design
- Intelligent float circulation system
- Robust spherical roller bearings for high requirements

Sliding door

- Sliding door with pneumatic drive
- Strong hook locks with door protection

Drum ventilation

- Mechanical ventilation system against drum over-pressure
- Drum ventilation works several times per drum rotation round
- Ventilation takes place in separate canal on the drum axle

Mixing box

- Mixing box for admixtures and measurements
- The float circulates up to 3 times per round over the mixing box
- Drum draining valve is on the mixing box

dosemat d421

retanning and dyeing drum



Machine frame

- Drum is combined by dual bearing to the machine frame
- Machine frame in stainless steel
- Flexible in positioning of the machine working height

Machine drive

- The machine works with a german helical-bevel gear drive
- Drum rotation takes place by a chain drive

Machine control

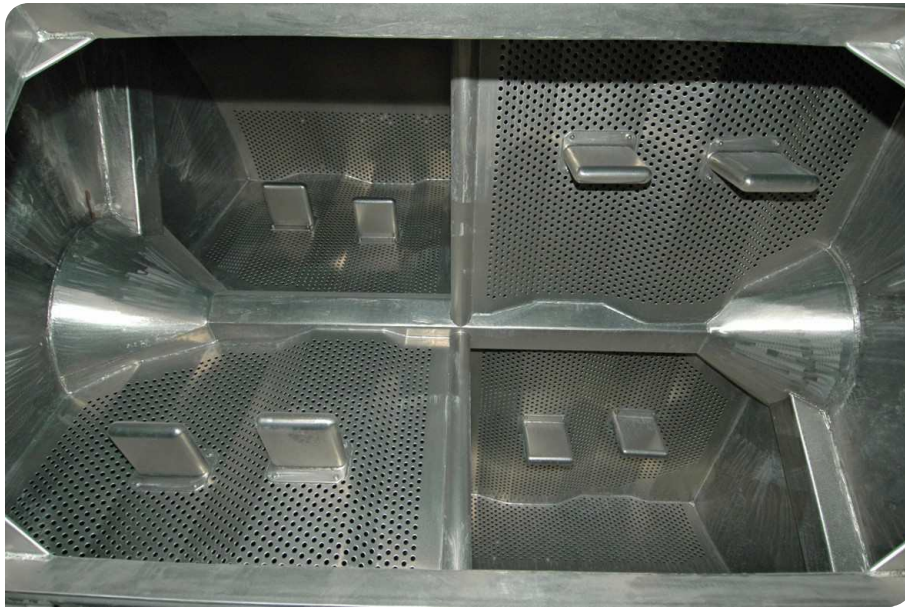
- Machine control with industry computer
- Ethernet data network technology
- Machine operation by touch screen

Resultant qualities

- Effective penetration of hide and leather chemicals
- Fast and controlled water changes
- Most effective temperature and pH value control
- Hides and leather are processed uniformly
- Homogeneous action and distribution over the entire drum
- No tears
- Shorten processing times
- Fast loading and unloading
- Less mechanical fading with high efficiency factor

dosemat d421

retanning and dyeing drum



The D421 is equipped with an unique float circulation system and enables to work with a minimum of float during the retanning and dyeing process.



Made for difficult leather and constant safe leather quality that are the terms of reference of the current machine design.

dosemat d421

retanning and dyeing drum



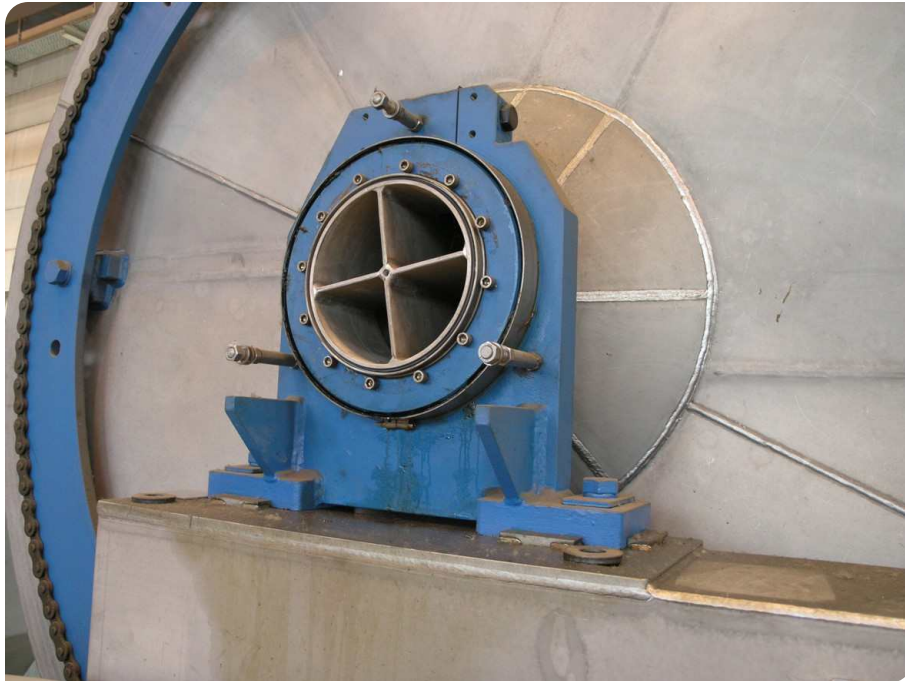
The particular drum inner section ensures an efficient wash around of the leather. With the use of the high interaction effect of the circulation system chemicals and dyes can be minimized.



Fast and complete unloading are the result of two big automatic sliding doors.

dosemat d421

retanning and dyeing drum



Draining side for the mixing box connection and bearing shell with spherical roller bearing and long life cover.



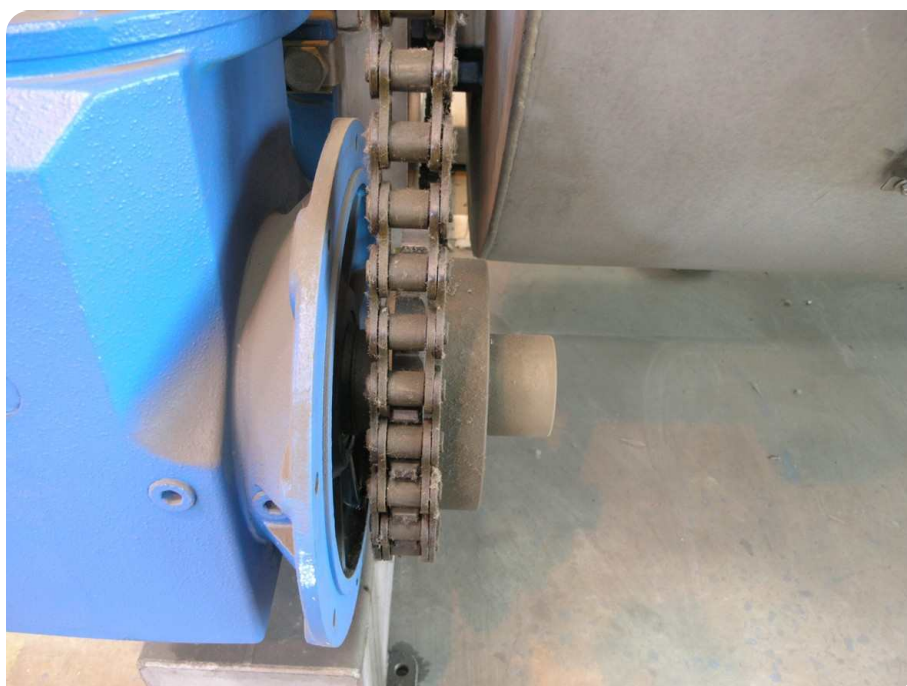
Drum ventilation side with ventilation pipe and bearing set.

dosemat d421

retanning and dyeing drum



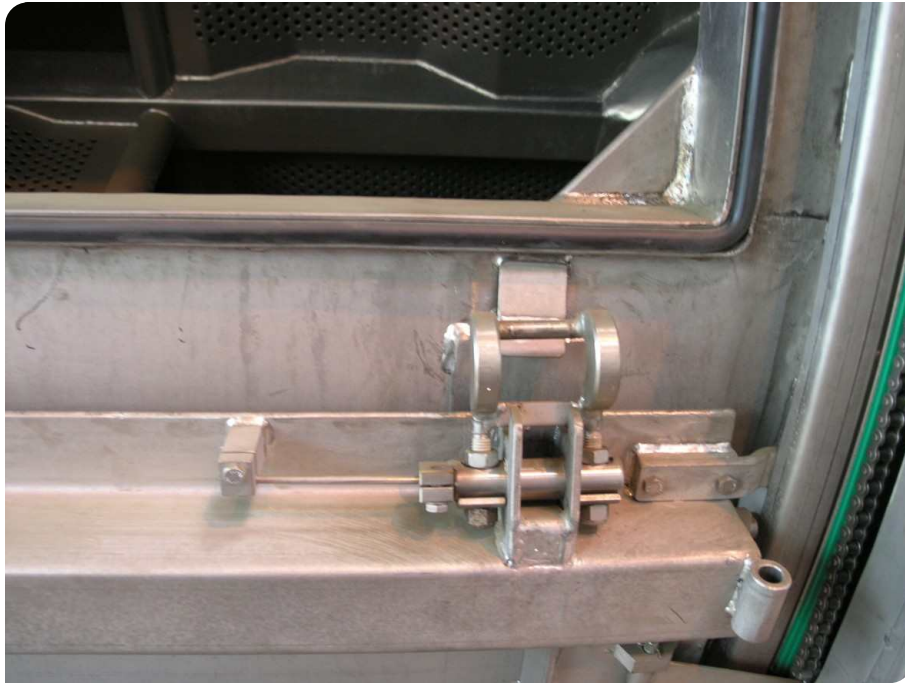
Mixing box with pipe connections and cover of chain drive.



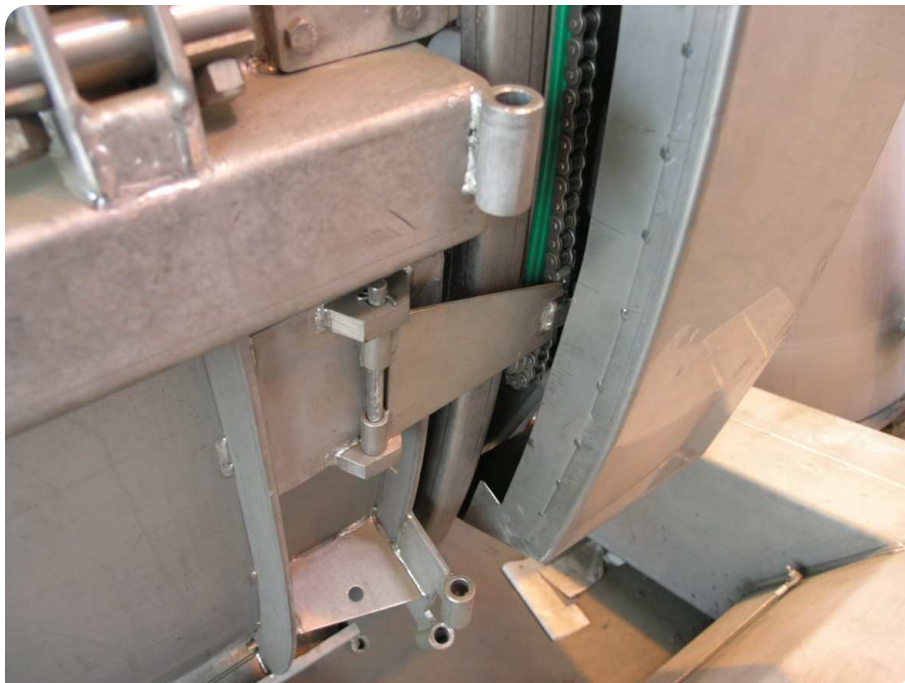
Machine chain drive with german helical-bevel gear drive.

dosemat d421

retanning and dyeing drum



Hook locks with door protection and additional tear stops for the sliding doors.



dosemat d421

retanning and dyeing drum



Leather chemical preparation tank

Prepare your admixtures and pump them in the right time to the machine.
The preparation tank is equipped with:

- Pumpset with connection to the drum
- Agitator for mixing
- Liquid control and temperature control
- Rinsing system to wash for the next addition
- Computer controlled by the drum control system

List of transport

Pcs.	Art of package	Specification	Length	Width	Heigth	Weigth
1	Machine	Dosemat D421	4.50m	3.35m	3.60m	7000kg
1	Wooden stillage	Preparation tank and fittings	1.40m	1.40m	1.60m	400kg
1	Wooden stillage	Mixing box and machine heigths	2.35m	1.20m	1.80m	800kg
1	Wooden box	Electrical cabinet	2.40m	1.00m	0.75m	350kg
1	Wooden box	Machine drive equipment	2.30m	1.70m	0.75m	400kg
						8950kg