



POLICON
Engineering & Manufacturing

***Continuous weighing
line for fiberized
cellulose***

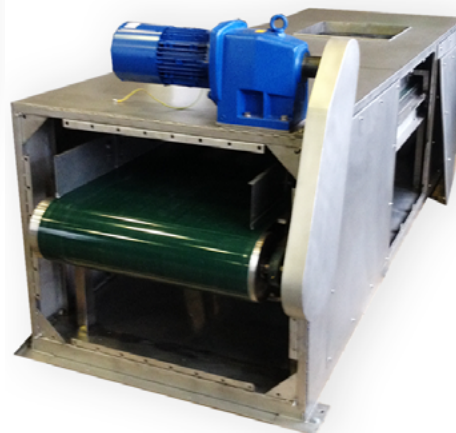
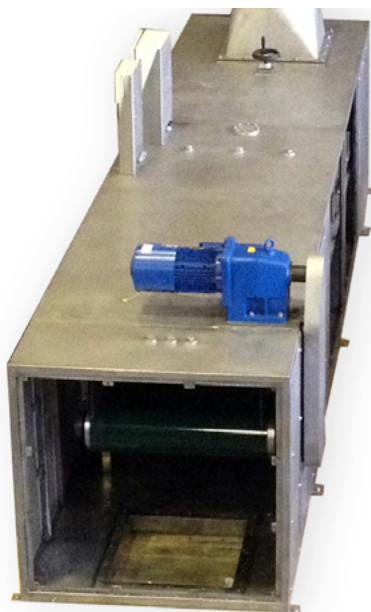
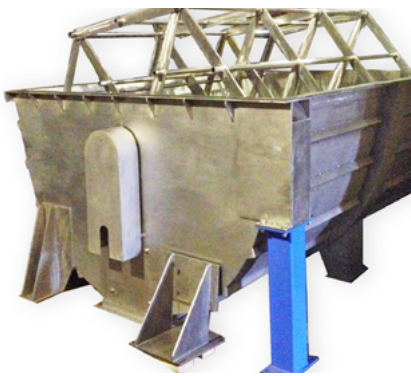
Continuous weighing line for fiberized cellulose

Equipment for a line of continuous weighing dosing of fiber cellulose. The line is designed for continuous supply of chemical devices for cellulose nitration (prednitrator).

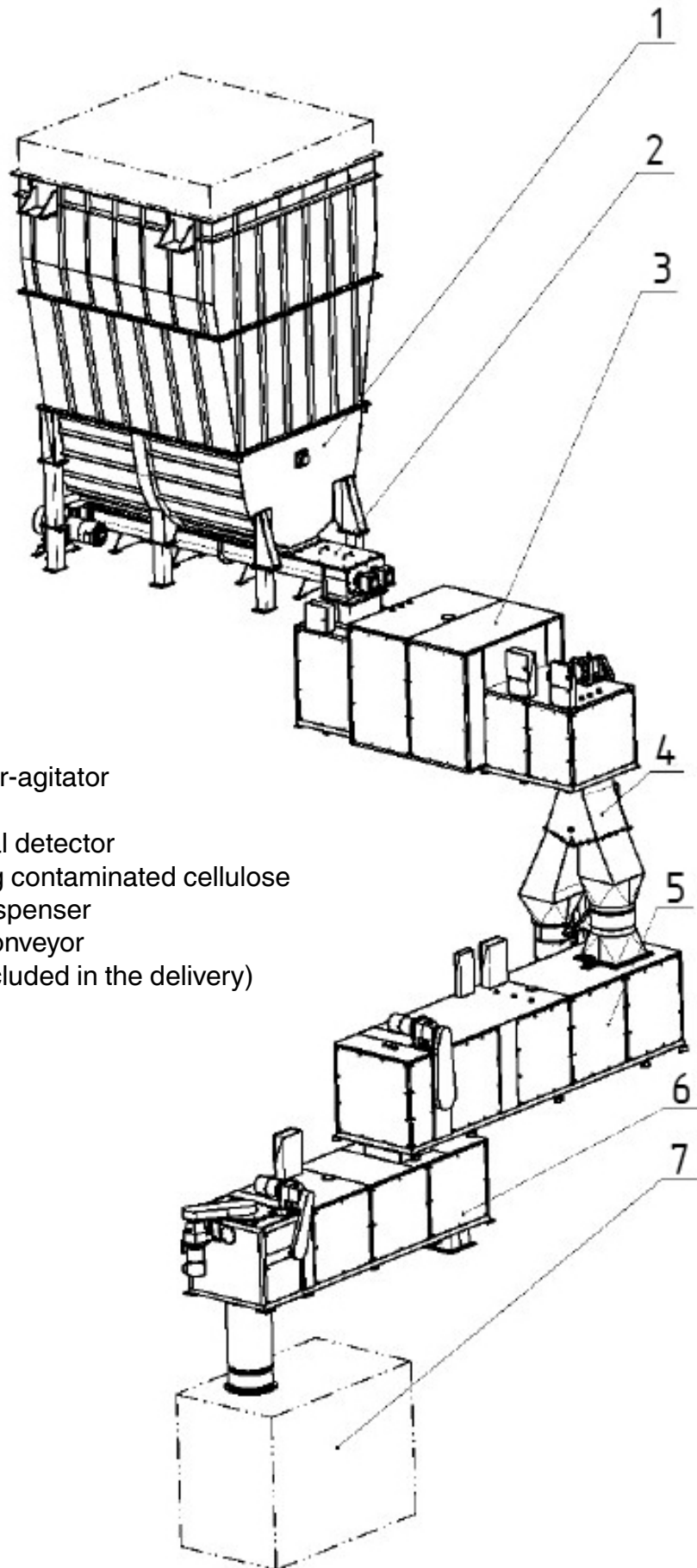
Scope - technological lines for the production of nitrocellulose.

Components:

- intermediate hopper-agitator;
- selection conveyor (screw);
- conveyor with a metal detector;
- device for removing contaminated cellulose;
- conveyor weighing dispenser;
- loading (dosing) conveyor with vertical screw.

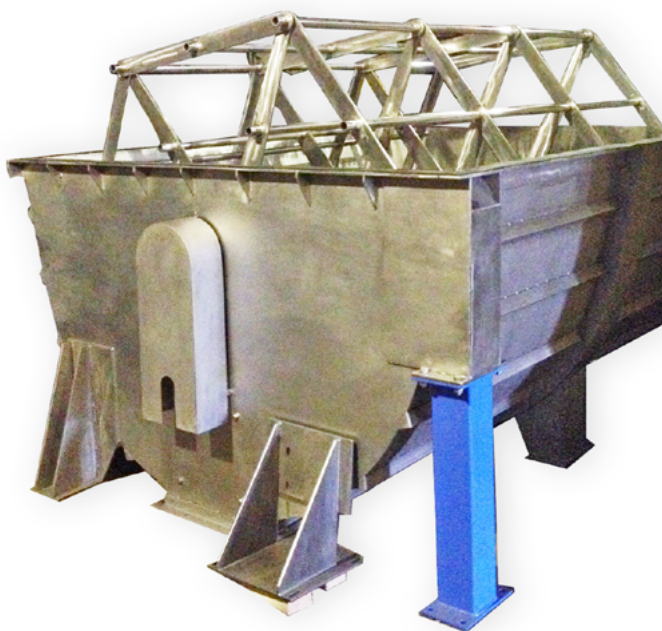


Continuous weighing line for fiberized cellulose



- Pos. 1 - Intermediate hopper-agitator
- Pos. 2 - Selection conveyor
- Pos. 3 - Conveyor with metal detector
- Pos. 4 - Device for removing contaminated cellulose
- Pos. 5 - Conveyor weight dispenser
- Pos. 6 - Loading (dosing) conveyor
- Pos. 7 - Prednitrator (not included in the delivery)

Continuous weighing line for fiberized cellulose



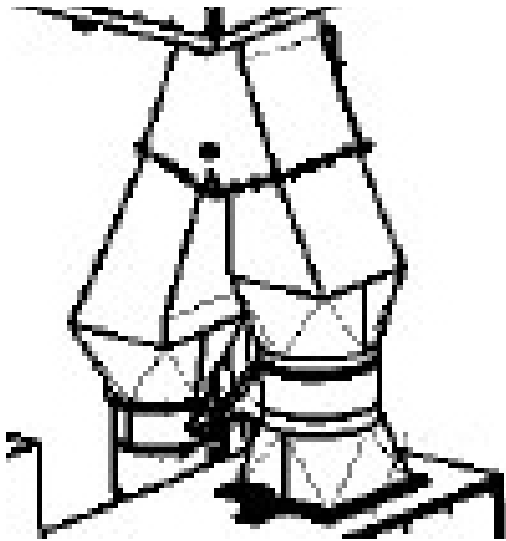
On the line of continuous weight dosing, the fiber cellulose is supplied from an intermediate hopper-agitator.

The hopper-agitator is equipped with a device (agitator) with an adjustable speed of rotation, which prevents caking and hanging in the hopper. The hopper: 30 m³, stainless steel.

The selection conveyor provides an adjustable selection of cellulose from the hopper in the range of 300-1000 kg / h and the transfer of cellulose to the conveyor with a metal detector.



The metal detector conveyor accepts the cellulose flow from the sampling conveyor and has an adjustable speed that provides the cellulose flow in the range of 300-1000 kg / hour.



Contaminated cellulose removal device is installed after the conveyor with a metal detector and is designed to remove metal.

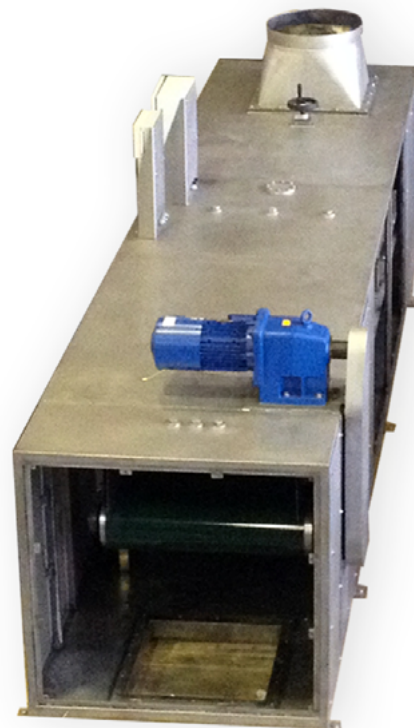
The device is a two-channel pipe with a rotary two-position valve with an actuator that alternately closes one of the pipe branches.

In one position (constant), the channel is open for transferring the cellulose flow to the conveyor weigher, in the second, the channel is open for removing the contaminated cellulose.

The device is made of stainless steel and materials resistant to acidic atmospheres.

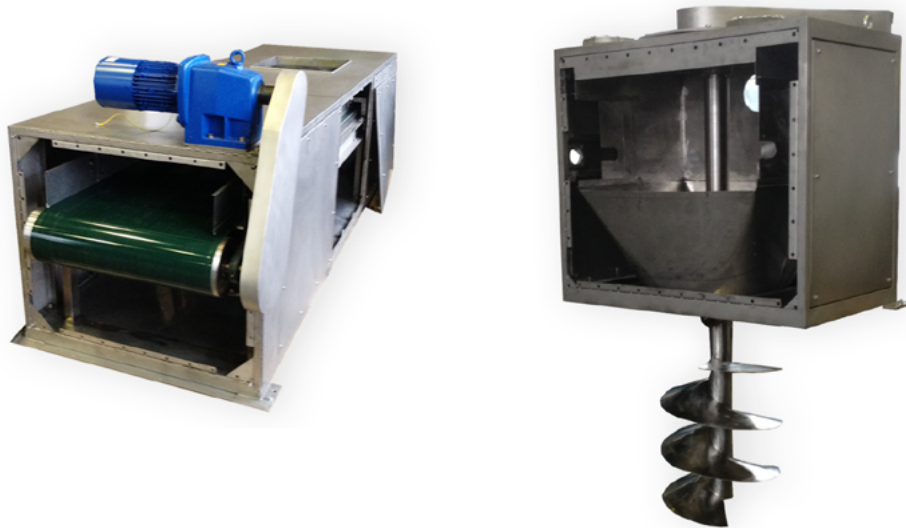
The conveyor weight dispenser is a conveyor scale for continuous weighing of cellulose.

The device automatically maintains a constant cellulose flow at a selected level in the range of 300-1000 kg / h.



The loading conveyor has viewing windows for the possibility of observing the process of loading cellulose into the prednitrator.

The conveyor weight dispenser and the loading conveyor with a vertical screw are made of stainless steel and materials resistant to acid-containing atmosphere.



Technical Specification:

Line capacity, kg / h	300 ... 1000
Density of dosed cellulose, kg / m ³	20 ... 50
Deviation of product weighing accuracy, no more,%	1.0
Working pressure of compressed air in the network, MPa	0,4 ... 0,6
Total installed power of electric motors, kW, no more ...	20
Overall dimensions of the line, no more	
Length, mm	8750
Width, mm	8650
Height, mm	11555
Weight, kg, no more	8000

This product can be manufactured according to the technical specifications of the customer, taking into account its predetermined parameters and features.

Full cycle engineering services

Food Machinery

Machinery for tires, rubber, plastics manufacturing

Machinery for the chemical and oil and gas industry

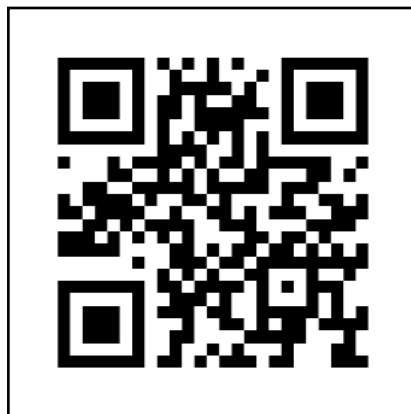
Machinery for the perfumery and cosmetic industry

Modernization and automation of production

Non-standart equipment

Production of spare parts, components, assemblies

Outsourcing services - repair and maintenance of equipment



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