



POLICON
Engineering & Manufacturing

***Tire Assembly
machine with feeder
(Model 2 ST 33)***

Tire Assembly machine with feeder (Model 2 ST 33)

The tire Assembly machine with feeder is made for the second stage of assembling large-size radial cargo tires with a metal cord breaker and a multi-layer textile frame with a landing diameter of 24-35 inches.

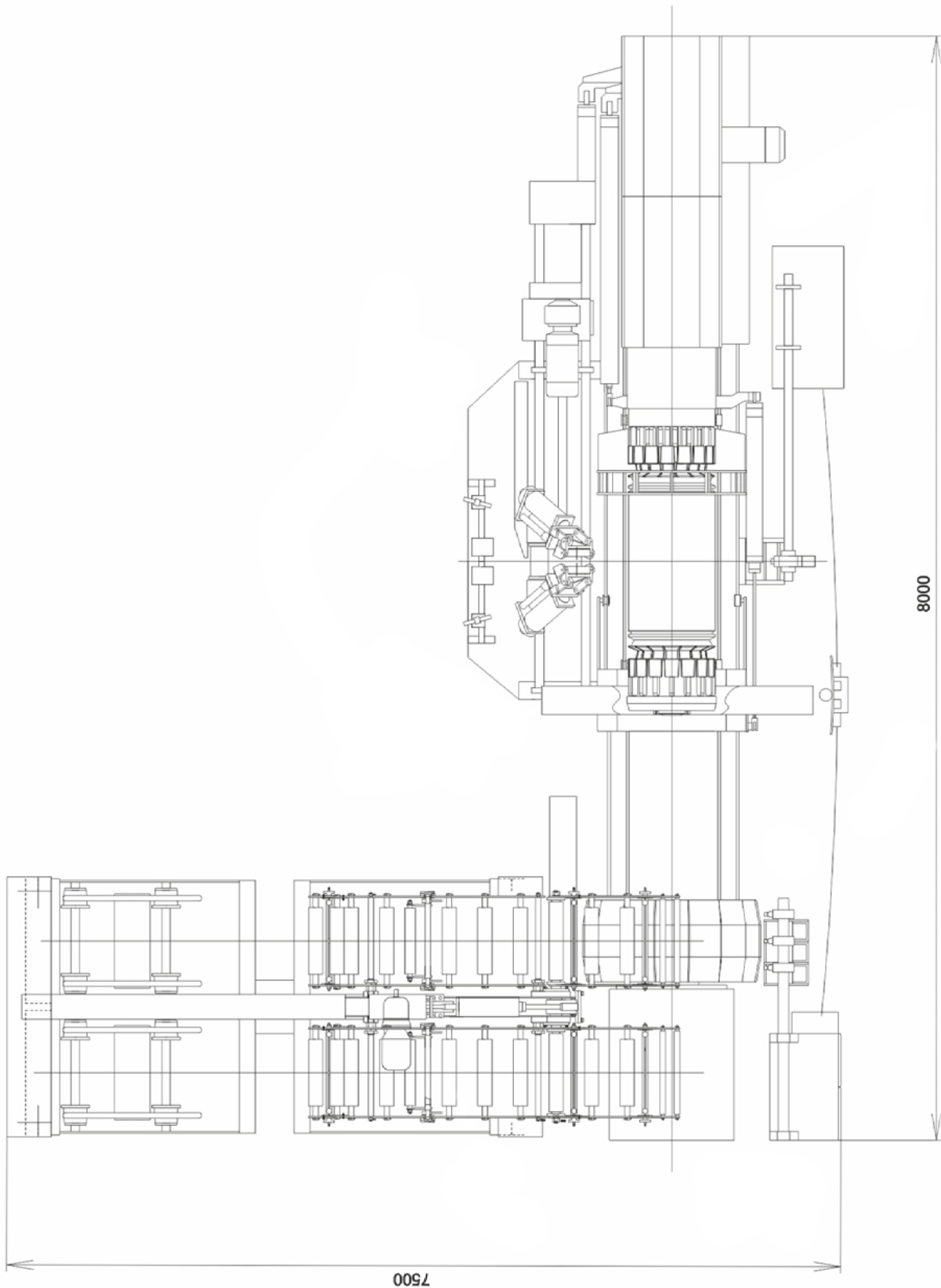


The following operations are performed on the machine:

- assembly of the Brecker bracelet on the Brecker drum, which provides a step-by-step decompression of the bracelet and excludes deformation of the Brecker layers and their sliding to the sides during decompression.
- putting the tire frame, assembled at the first stage of Assembly, on the Assembly-forming drum using a transfer.
- transfer of the Brecker bracelet from the Brecker drum to the Assembly-forming one using a rigid carrier with a lever release of the sectors.
- diaphragm forming of the frame on the Assembly-forming drum, which provides fixation of the sides of the tire on three sides.
- roll-up of the Breker bracelet with a universal roll-up device.
- remove the assembled tire from the Assembly-forming drum using a transfer.

The transmission of the tire from the machine to the tread winding unit is carried out by workshop facilities. It is possible to wind the tread on the drum of the Assembly machine.

Tire Assembly machine with feeder (Model 2 ST 33)



Technical Specification:

Dimensions of tires to be assembled	21.00R33
It is possible to assemble tires when installing the appropriate set of replacement units	1 600-600-685R(27'), 24', 25', 35'
Performance, PCs / h, at least (excluding the time of winding the tread).....	3
Operating mode	semiautomatic
Number of Collectors, people.....	2
Diameter of the drum for assembling the Breker bracelet, adjustable, mm, within	1 620 - 1 780
The distance between the sectors of the Assembly-forming drum in the center of the side rings, adjustable, mm, within	550
The diameter of the coils of the feeder, mm	780
Power of electric motors, kW, no more	35
Parameters of energy:	
the voltage in the network	220 / 380
vacuum, MPa, within	0,03 – 0,04
compressed air pressure, MPa, within	0,5 – 0,6
Overall dimensions, mm, not more than	
long	11 500
width	7500
height	3500
Weight, kg	20 000

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

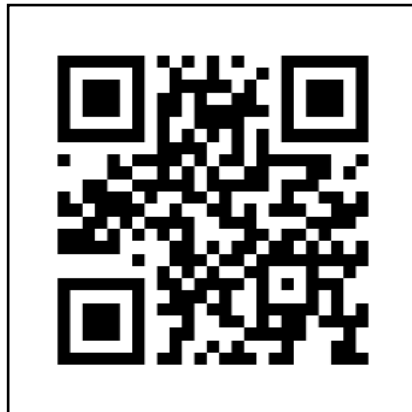
Machinery for the perfumery and cosmetic industry

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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