



POLICON
Engineering & Manufacturing

***Tire Assembly machine
(model 2ST21)***

Tire Assembly machine



Description

Tire Assembly machine (model 2ST21) with a Breker feeder and a tread feeder is made for the 2nd stage of assembling radial tires with a landing diameter of 21" with the possibility of assembling tires of other sizes with a landing diameter of 19-22,5" (using optional replacement units).

The Breker bracelet Assembly machine is moved using a servo drive, which ensures that the Breker bracelet is assembled with the layers offset relative to each other in automatic mode without manually setting the Breker feeders.

Field of application - production of cargo radial tires with metal cord in the Breker.



The machine contains 5 main modules connected by a common control system:

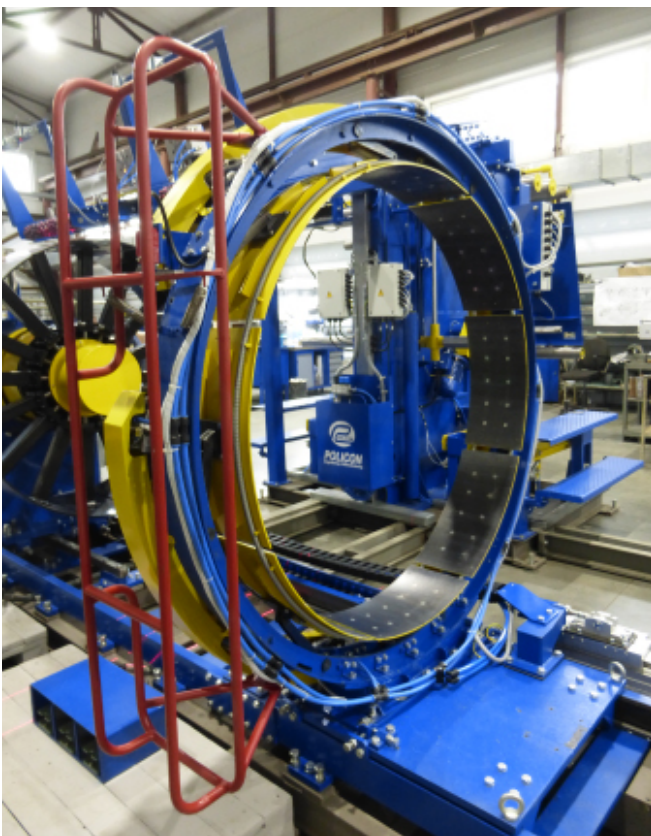
- Final Assembly machine;
- Breker bracelet carrier;
- Breker bracelet Assembly machine;
- Breker feeder;
- Tread feeder.

Technical Specification:

Size of the collected tires	550 / 75R21 (21,5 / 75R21)
The ability to assemble tires with a bore diameter, inches.....	19" - 22,5"
Control mode during operation	semi-automatic
Control mode during commissioning	semi-automatic
Productivity, pcs / hour, not less	8
The number of layers of metal cord breaker	4
Breaker layer width, mm, max	450
Number of trays for breaker layers, pcs	2
The width of the tread billet, mm, max	600
The length of the tread billet, mm, max	4300
The speed of rotation of the forming drum, revolutions in s	0,1 .. 1,1
Forming time, s, within	25 .. 60
Power consumption of electric motors, kW, no more	20
Overall dimensions (with feeders), mm, no more	
length.....	10 000
width.....	5 000
height.....	2 500
Machine weight with feeder, kg, no more	12 000
Machine service rate	
product assembler	2
assistant product assembler	2

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

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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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