



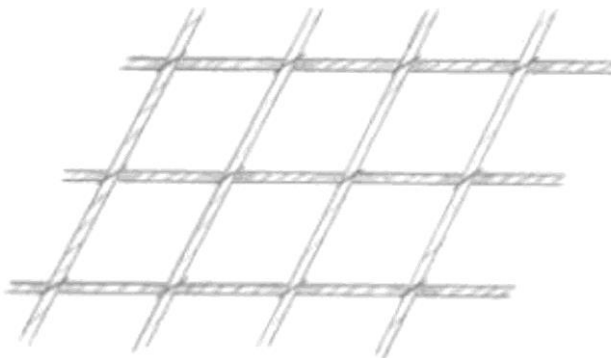
PRODUCTION LINE FOR THE MANUFACTURING OF FRP MESH

Technological line for the production of fiber reinforced polymer mesh keeping the main rods integral with bind by a single thread Mesh-E CG-1000 (mesh width 1000 mm), Mesh-E CG-2000 (mesh width 2000 mm), Mesh-E CG-3000 (mesh width 3000 mm), designed for the manufacture of composite mesh from glass and basalt roving.

Lines are designed mainly for larger cells and bar diameters (cell from 100x100 mm and diameter from 4 mm).

The method of binding with a roving thread allows to link cross bars with longitudinal ones with the same thread that forms the profile of the rebar rib. In this case diameter the rebar remains without changing and the body - without bifurcation. The grid is formed by superimposing rods on each other and strengthening the joint nodes with a thread or roving.

The mesh can be coated by sand, at the request of customer.



Innovative mesh made by the binding method

Advantages Mesh-E CG production line:

- The uniqueness of this equipment is that the formation of mesh cells occurs by passing a cross bar over a longitudinal bar, followed by twisting the longitudinal bar with a single thread of roving, which later forms the contour rib of the rebar. This creates the strongest possible connection.
- At the request of customer, it is possible to add a sanding unit.
- At the request of the customer, a coil winding unit can be supplied.
- Formation of non-standard cells (for example, 100x70, 100x50, 150x200, 200x90 mm, etc.)
- Possibility to form bars with a diameter from 4 to 12 mm.
- The ability to produce a mesh with dimensions between longitudinal bars from 100 mm or more, a multiple of 50 mm (150, 200, 250 mm).
- The ability to produce a mesh with dimensions between the cross bars from 50 mm and more, multiple of 10 mm (60, 70, 80, 120, 180 mm).
- No need for additional equipment.
- The cross bar is made simultaneously with the mesh on the same line.
- The working staff is 1-2 people.





Technical parameters of the line

The line length is 27 m.
 The width depends on the model
 Height 2.5 m.
 Installed capacity 43 kW
 Water consumption 15 l/day
 Air consumption 90 l/h.
 Maximum mesh width: 1, 2, 3 meters, respectively
 Maximum length of the mesh: any

Performance:

For example, a mesh with bar diameter of 8 mm.
 Cell 100x100 90 linear m per hour
 Cell 150x150 90 linear m per hour
 Cell 200x200 90 linear m per hour

Minimum room requirements:

Length: 30 meters Width: 5 meters

Delivery set

N	Name of equipment	Quantity	Unit of measure
1	Control panel	1	Pc
2	Roving rack	3	Pc
3	Impregnating bath with tension device and roving preheating device	3	Pc
4	Twisting/binding unit	1	Pc
5	Polymerization chamber	1	Pc
6	Water cooling unit	1	Pc
7	Pulling unit	1	Pc
8	Cutting unit	1	Pc
9	Receiving table / mesh reeling device	2	Pc
10	Straightening device	1	Pc





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The cost of the line

For actual cost, please, refer to our sales office:

Email: armatura@composit-group.ru, bd@composit-group.ru

Phone: +7 351 216 33 00

Note: The cost of the line includes installation, technology, commissioning and staff training. The price does not include the cost of travel and accommodation for 2 installers to the place installation and back.

Materials employed in production

- Glass Roving
- Epoxy resin
- MTHPA resin
- Nano composite KG

Warranty period - 12 month



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