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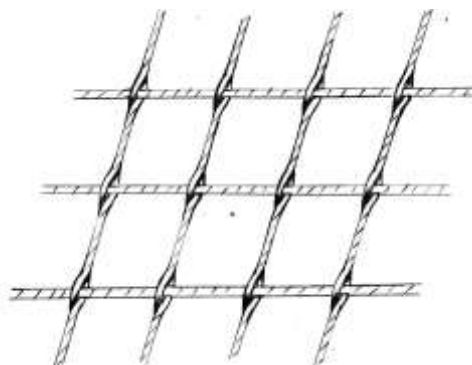
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### COMMERCIAL PROPOSAL.

Arplastik, Izhevsk Composite Technology Plant, is ready to supply equipment for producing fiberglass masonry mesh.

Production lines KSP – 500(mesh width 500 mm), KSP – 1000(mesh width 1000 mm.), KSP – 2000(mesh width 2000 mm.), KSP – 3000(mesh width 3000 mm.), are intended for producing composite mesh made of glass and basalt roving to use it as a reinforcing element in construction, concrete slab production and road building.

Lines KSP-2000 and KSP-3000 are intended for producing mesh with bigger cells and rod diameters (for instance, from 100x100 and from 3-4 mm for rod diameter). It is also possible to produce mesh with cells 50x50 and rod diameter 2 or 2.5 mm, but with lower speed.



Innovative mesh formed by “twisting”

### Special characteristics of the line KSP:

Production line KSP-1000 is equipped with cross rod automated feed. This means that a rod goes through a parallel furnace simultaneously with longitudinal rods, gets a shape and stiffness and then is fed with an automated device to form a mesh. That is the difference from other lines where it is necessary to manufacture rods in coils first (for a mesh 50x50, 10-12 km of cross rods are required during the working shift). Only after that it can be used to form a mesh. It is not convenient.

Assembly for twisting-forming a mesh works so that the size of longitudinal cell can be adjusted with a touch-screen on the control board. For instance, it is easy to set cell size (50x90, 50x120 mm), speed and length of cross rod feed, sheet (coil) length, switch on and off the counter.

The method of twisting-forming the mesh has got some advantages if compared to the method when a rod goes above and below longitudinal rods in turn.

Firstly, mesh can be transported for long distance (without damages). Secondly, as the rod goes inside the longitudinal rod body additional anchoring force inside concrete appears. Thirdly, there is no longitudinal fiber spiral binding assembly, thus lavesan thread and time is saved. There is no need

in replacing run-out thread, due to continuous production process the number of defective products is reduced.

The line is completed with a track pulling mechanism due to which the mesh forming process is parallel and smooth, unlike when using roll pulling mechanisms.

The line can be operated by one person.

Foreign-made electric components of high quality, which are used in our equipment, provide for trouble-free operation.

Width of the produced mesh is from 0.5 up to 3 meters, depending on the model.

#### Advantages of our equipment:

- a mesh cell is formed as the following: a cross rod passes through a longitudinal rod that is subsequently twisted. Due to this process, the connection is as strong as possible.
- Forming non-standard cells (50\*70, 100\*50 etc.)
- Forming rods with diameter from 2 up to 12 mm. Producing mesh with cell size from 50X50 and more, according to rod diameter. There is no supplementary equipment.
- Cross rods and mesh are produced simultaneously at the same equipment.
- There are no threads forming a longitudinal rod, thereby it is easier to service the lines during production process.
- Operating personnel 1-2 employees.

#### **Parameters:**

Line length	23 m.	Max. mesh width :	
Width depends	on the model	KSP – 500	0,5 m.
Height	2,5 m.	KSP – 1000	1 m.
Installed power	35 kW	KSP – 2000	2 m.
Water consumption	15 – l/day	KSP – 3000	3 m
Air consumption	90 – l/h.	Max. mesh length - any	

#### **Production rate:**

cell 50x50	up to 90 m <sup>2</sup> /hour
cell 100x100	up to 90 m <sup>2</sup> /hour
cell 150x150	up to 90 m <sup>2</sup> /hour
cell 200x200	up to 90 m <sup>2</sup> /hour

Produced rod diameter is from 2 mm. up to 12 mm. The production rate depends only on cell size and rod diameter of the produced mesh.

The equipment cost for new customers:

Line <u>KSP-500</u>	from 33 560.00 USD
Line <u>KSP-1000</u>	from 42 880.00 rubles
Line <u>KSP-2000</u>	from 65 000.00 rubles
Line <u>KSP-3000</u>	from 83 900.00 rubles

The cost of mesh coiling device is not included in the cost of the lines (available at extra charge)








ATTENTION!!! In case of the equipment price reduction at the Customer's request, the warranty period is to be shortened!!!


If a sand covering assembly is to be installed, the equipment cost is increased for 2 000.00 – 9 320.00 USD according to the model.

**Commissioning, training and installation are included in the cost of the equipment. Travel expenses to the place of the equipment installation and back to Izhevsk and accommodation expenses for two specialists are not included.**

Warranty – 1 year.

**List of the equipment supplied:**

N	Description	Quantity	Unit of measure	Price, rubles	Total, rubles.VAT included rubles	Delivery time, days
Production line KSP – 1000 consisting of						
1	 Control board	1	pc			40
2	 Shelf stand for roving	1	pc			40
3	 Impregnating bath with tensioning device and roving heating	2	pc			40
4	 Twisting/binding assembly	1	pc			40
5	 Polymerization chamber	1	pc			40
6	 Water cooling assembly	1	pc			40
7	 Pull unit	1	pc			40

8	 Cutting assembly	1	pc			40
9	Delivery table / mesh coiling device**	1	pc			40
10	Leveling device	1	pc			40
11	Equipment certificate	1	pc			40

**The equipment lists can be different according to the model!!!**

**\*\* At Customer's request, the equipment can be completed with a mesh coiling device. (At extra charge!)**

**We also have an opportunity to supply customers with necessary raw materials!**

**Materials used:**

1. Glass roving 2400/4800 tex;
2. Epoxy resin (type ED-20);
3. Hardener IMTHPhA (isomethyltetrahydrophthalic anhydride);
4. Accelerator UPR A.01
5. Lavsan thread 45LL (plastic bobbin)

**Malfunctions can occur in case of using analogs!!!**