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COMMERCIAL PROPOSAL.

Arplastik, Izhevsk Composite Technology Plant, sells composite flexible wall ties produced in accordance with GOST R 54923-2012 standard and applied in connecting load-bearing and finishing layers of multilayered enclosing structures. The equipment is intended for continuous production of flexible wall ties with anchor widenings from 250 mm in length.

Production lines **LGS – 1(without tie widening)** and **LGS – 2(with one or two tie widenings)** are intended for producing flexible ties made of glass and basalt roving.



Preparation equipment for producing flexible wall ties with anchor widenings:

- ✓ Impregnating bath for epoxy polymer binder is equipped with a device of impregnating roving fibres individually;
- ✓ After extrusion nozzles the system of dividing impregnated roving bundle in separate fibers is installed;
- ✓ To increase service life, pneumatic actuators are used;
- ✓ Equipped with a programmable relay;
- ✓ Coil unwinder actuated with a pneumatic actuator;
- ✓ Receiver conical tube forming anchor widening is made of stainless steel.
- ✓ Anchor widening is a setup value to start cutting
- **Cutting device:**
 - ✓ Cutting accuracy during flexible wall tie production – 3 mm;
 - ✓ All actuators are pneumatic;
 - ✓ The length of ready products is set on the Operator's board
 - ✓ Cutting quality check on the Operator's board;
 - ✓ For continuous work of flexible wall ties production line, the cutting device is equipped with guides to move the cutting assembly (with a return mechanism));
 - ✓ a connector for industrial vacuum cleaner is available.
- **The system of parameters setting and check:**
 - ✓ Allows to check and set all the operating parameters on the Operator's board;

- ✓ it is possible to save and download all the operating parameters of the line as well as the number of finished products;

Main line characteristics:

- production rate up to 450m per hour

Parameters:

- length 15 meters ,

- width 1 meter.

Total power of motors and heating elements – 12-15 kW.

Operating power per hour - 10 kW.h

The equipment cost:

- Line LGS-1 **20 500.00** USD

- Line LGS-2 **30 000.00** USD

Commissioning, training, installation and technologies are included in the cost of the equipment;

1. Technical characteristics

Characteristic	Value
Production rate, m/min	5 – 8
Weight, kg	Not more than 1500 kg.
Overall dimensions, m	15
Consumed voltage, V	380
Consumed power, kW	13
Own characteristics	

2. Scope of supply for LGS – 1:

№	Description	quantity
001	Shelf stand for roving	1
002	Impregnating bath/spiral binding assembly	1
003	Polymerization chamber	1
004	Cooling bath	1
005	Pull unit/cutting assembly	1
006	Grinding assembly	1
007	Rewinding assembly	1
008	Control board	1
	Equipment certificate	1

2. Scope of supply for LGS – 2:

№	Description	Quantity
001	Shelf stand for roving	1
002	Impregnating bath / spiral binding assembly /widening feed assembly	1
003	Polymerization chamber	1
004	Cooling bath	1
005	Pull unit/cutting assembly	1
006	Grinding assembly	1
007	Rewinding assembly	1
008	Coiling device	1

009	Uncoiling device	1
010	Control board	1
	Equipment certificate	1

Materials used:

- Glass roving Advantex
- Epoxy resin
- Resin IMTHPhA (isomethyltetrahydrophthalic anhydride)
- Accelerator UPR A.01

Warranty life - 12 months.

Details on material packing and consumption are given after prepayment for the equipment.
Training is included in the cost of the equipment.