

**ARPLASTIK**  
IZHEVSK COMPOSITE TECHNOLOGY PLANT

**CONSTRUCTION  
COMPOSITE PRODUCTS  
AND EQUIPMENT**

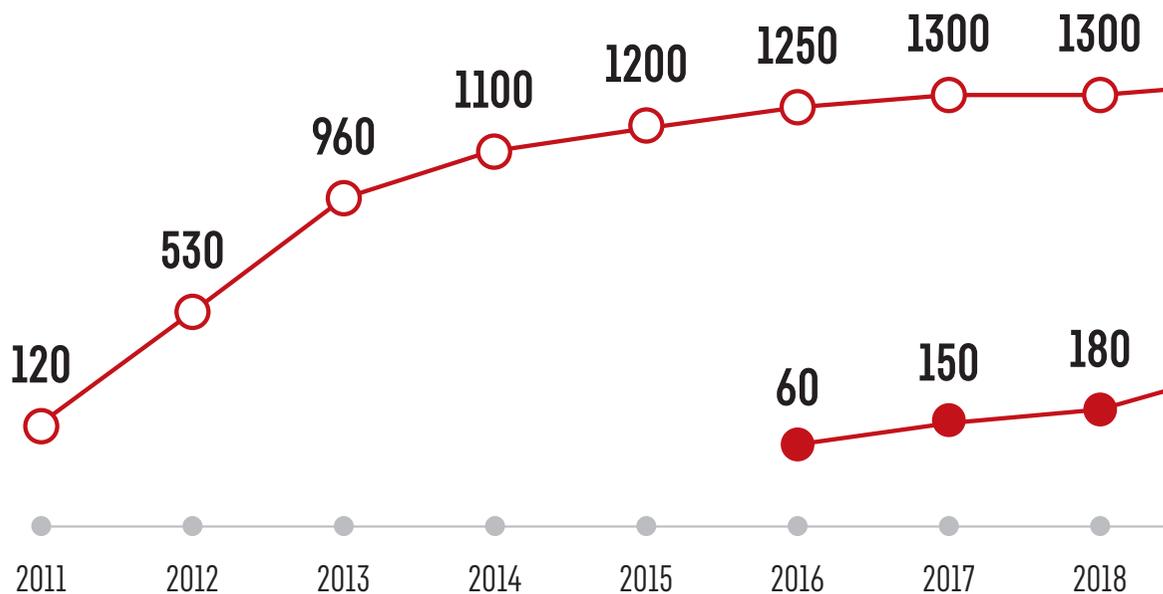
# ABOUT THE COMPANY. DYNAMICS OF DEVELOPMENT

# 8

years in the segment of composite materials production

since 2011 investments in own developments (R&D) - RUB 9 mln

57 pieces of equipment produced from 2011 to 2019

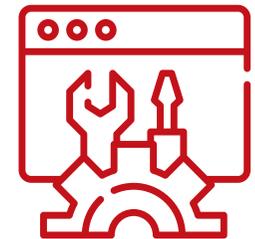


○ Annual volume of fiberglass reinforcement produced, thousand m

● Annual volume of fiberglass mesh produced, thousand m<sup>2</sup>



Products meet individual customer requirements



Highly competitive products and maintainable equipment

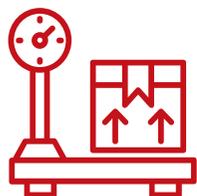


7 countries trust us: Georgia, Bulgaria, Kazakhstan, Belarus, South Korea, Malaysia, Russia



Manufacturer prices. We work without intermediaries

# COMPOSITE PRODUCTS



3 times lighter than metal analogues



35% cheaper than metal analogues



No rust



Not conductive



Saving labor resources when, working with composite materials



In-house development (R&D)



MESH



REBARS



PIT BARRING



FLEXIBLE CONNECTIONS



BENT ELEMENTS

## APPLICATION:

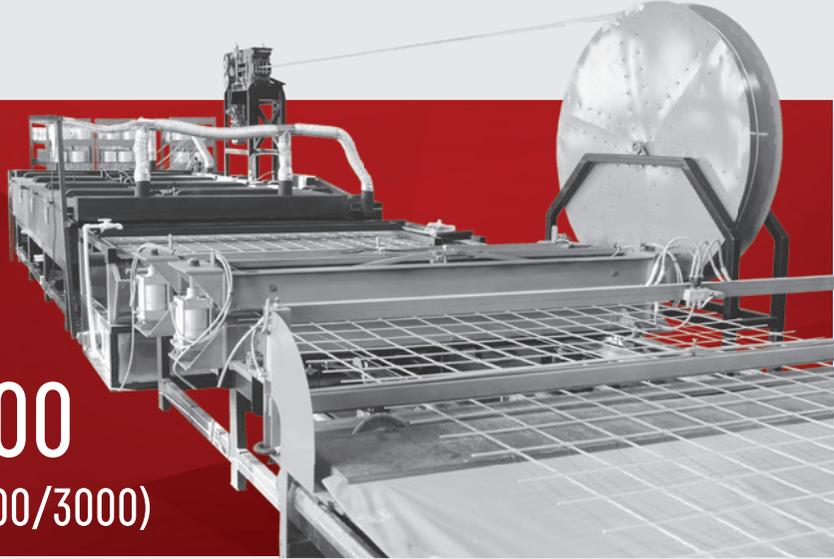
Reinforcement of foundation, floors, monolithic grouting of partitions and walls, monolithic construction of low-rise buildings, creation of repair and architectural forms, reinforcing brick and concrete block masonry, when creating hydraulic structures, road construction, reinforced concrete products, etc.

## APPLICATION:

Flexible connections for masonry are an important element of the building structure, connecting the load-bearing wall, insulation and facing material

## APPLICATION:

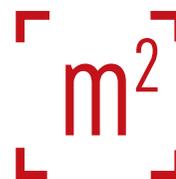
In foundations, bored piles, in the manufacturing of various concrete products, in the assembly of spatial frames as fastening elements.



**KSP-2000**

(KSP-2200/2500/3000)

**PRODUCTION LINE FOR  
THE MANUFACTURING OF  
FIBERGLASS MASONRY  
MESH WITH A BAR  
DIAMETER OF 2 TO 12 MM**



Required room 30x5 m



2 operators per line



1 year warranty

## LINE FEATURES

## LINE PARAMETERS

## PERFORMANCE

- Most durable connection
- Simultaneous production of a transverse bar and a mesh
- Formation of non-standard cells: 100x70, 100x50, 150x200, 200x90 etc.
- Installation of a coilwinding machine on request

Line length, mm	27,000
Line width, mm	depends on the model
Line height, mm	2,500
Installed power, kW	43
Water consumption, l/day	15
Air consumption, l/h	90
Mesh width, mm	1000/2000/3000
Mesh length	any

# 150 m<sup>2</sup>/h

On the example of a mesh with bar diameter D= 2.5 mm

**1100 x 100 mm,**

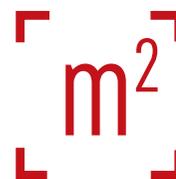
**150 x 150 mm,**

**200 x 200 mm**



**KSP-1000**  
(KSP-1200/1500)

**PRODUCTION LINE FOR  
THE MANUFACTURING OF  
FIBERGLASS  
MASONRY MESH BY THE  
«TWISTING» METHOD**



Required room 30x5 m



2 operators per line



1 year warranty

## LINE FEATURES

## LINE PARAMETERS

## PERFORMANCE

- Low reject rate
- Saving materials and time
- Parallelism and smoothness of the formation of meshes through the use of track pulling
- Adjustment of mesh parameters by the line operator

Line length, mm	23, 000
Line width, mm	depends on the model
Line height, mm	2, 500
Installed power, kW	35
Water consumption, l/day	15
Air consumption, l/h	90
Mesh width, mm	500/1000/2000/3000
Mesh length	any

**60** m<sup>2</sup>/h

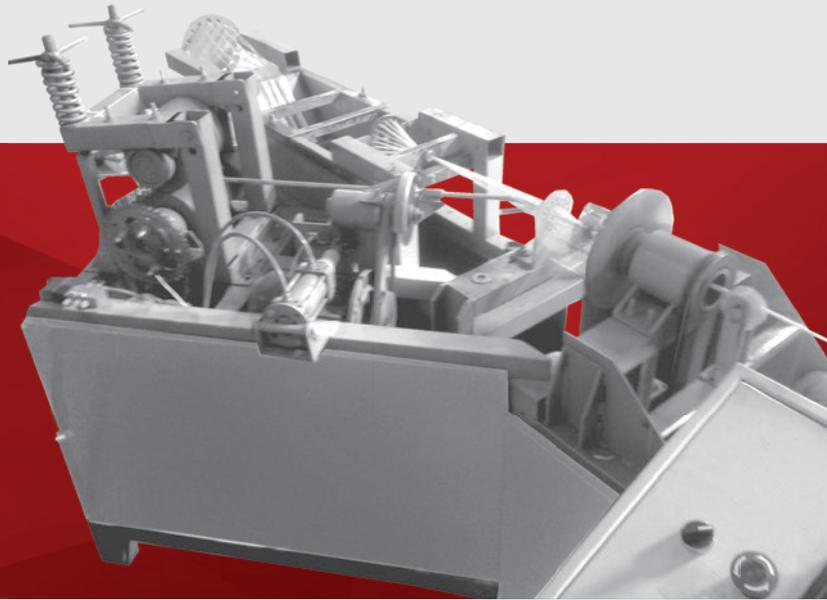
50 x 50 mm

**90** m<sup>2</sup>/h

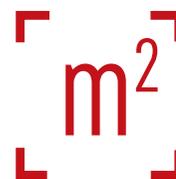
100 x 100 mm,

150 x 150 mm,

200 x 200 mm



PRODUCTION  
LINE FOR  
THE MANUFACTURING  
OF **FLEXIBLE**  
**CONNECTIONS**



Required room 30x5 m



2 operators per line



1 year warranty

## LINE FEATURES

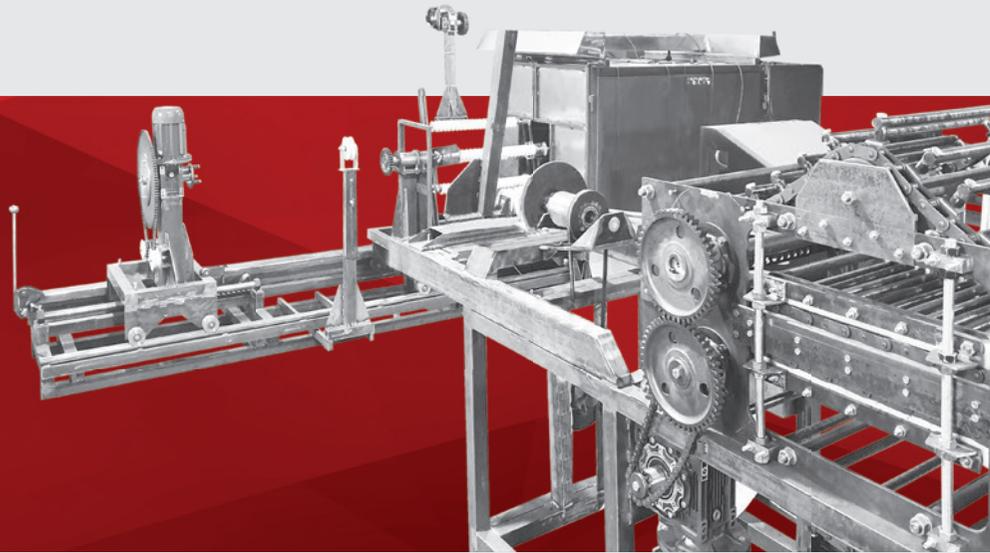
## LINE PARAMETERS

## PERFORMANCE

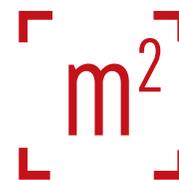
- High precision cutting in the production of flexible connections
- Pneumatic actuators
- Adjustment by the operator of the length of the finished product and the number of cuts
- Equipped with a connector for an industrial vacuum cleaner

Line length, mm	15,000
Line width, mm	1,000
Line height, mm	1,500
Installed power, kW	15
Working power per hour, kW	10
Water consumption, l/day	15
Air consumption, l/h	90

up to **300** m/h



PRODUCTION  
LINE FOR  
THE MANUFACTURING  
OF **COMPOSITE**  
**BENT ELEMENTS**



Required room 30x5 m



2 operators per line



1 year warranty

## LINE FEATURES

## LINE PARAMETERS

## PERFORMANCE

- Production of G- and Ushaped bent parts up to 1500 x 1000 mm
- Production of trapezoidal parts with a distance between the tops of the sinusoid up to 1500 mm and a depth from the top to the bottom point of 1000 mm
- Allows to bend corners of parts with a radius of up to 100 mm

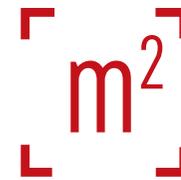
Line length, mm	14,000
Line width, mm	1,500
Line height, mm	1,500
Installed power, kW	15
Water consumption, l/day	15
Air consumption, l/h	90

up to **1000** m per shift

Depending on the bar diameter



PRODUCTION  
LINE FOR  
THE MANUFACTURING  
OF **FIBERGLASS**  
**REBARS**



Required room 30x5 m



2 operators per line



1 year warranty

## LINE FEATURES

## LINE PARAMETERS

## PERFORMANCE

- Consistent product quality
- Simultaneous production of up to 4 rebars
- Increased working time with the finished mixture due to the heating system
- Adjustment by the operator of the drawing speed and the pitch of the rebar

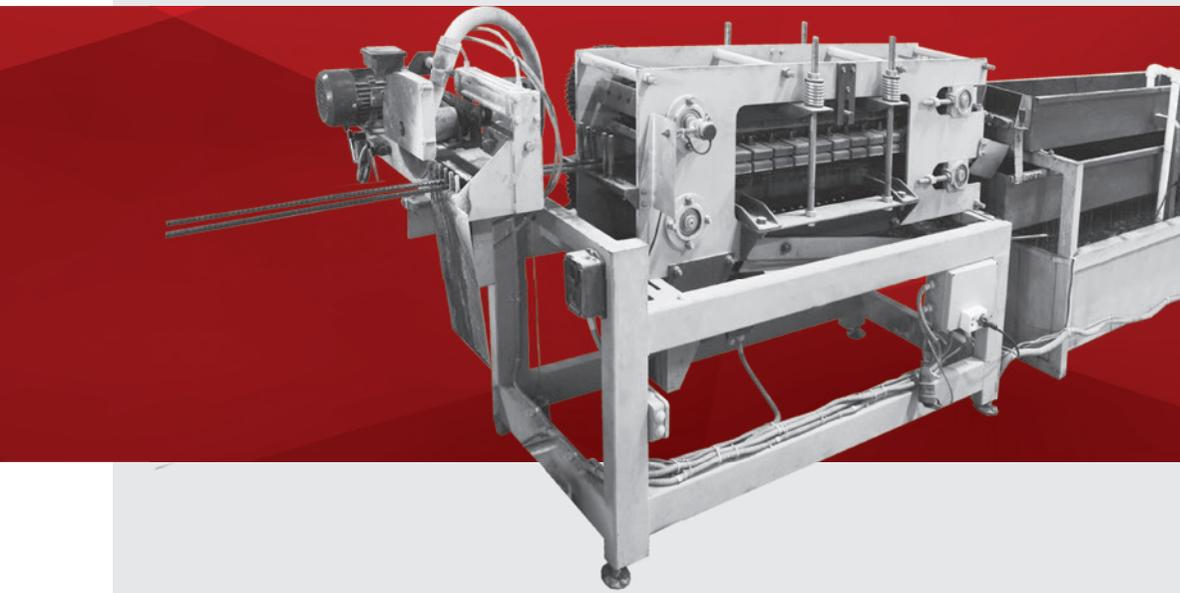
Line length, mm	18,000
Line width, mm	1,000
Line height, mm	1,500
Installed power, kW	18
Water consumption, l/day	15
Air consumption, l/h	90
Diameter of finished bars, mm	4 - 32
Length of finished bars, mm	6 - 12

up to **4000** m per shift

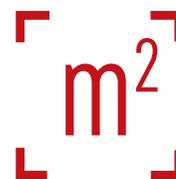
D = 10-12 mm

up to **6000** m per shift

D = 4-8 mm



PRODUCTION  
LINE FOR  
THE MANUFACTURING  
OF **COMPOSITE**  
**PIT BARRING**



Required room 30x5 m



2 operators per line



1 year warranty

## LINE FEATURES

## LINE PARAMETERS

## PERFORMANCE

- Adjustment of the step of the periodic profile, the length of the finished product, the drawing speed, control of the number of cuts by the line operator
- Equipping the line with roving pre-heating and liquid cooling systems with a circulation pump

Line length, mm	18,000
Line width, mm	1,000
Line height, mm	1,500
Installed power, kW	18
Ventilation performance, m <sup>2</sup> /h	2,000
Water consumption, l/day	15
Air consumption, l/h	90

**800** m per shift

D = 26-40 mm

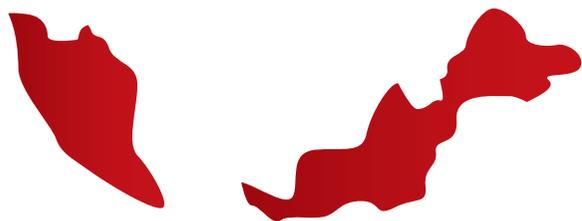
**1000** m per shift

D = 22-25 mm

**1200** m per shift

D = 16-20 mm

# INTERNATIONAL SUPPLIES



 **MALAYSIA**

**CUSTOMER:** Mr. Cheong hon wai

**SUPPLY:**

- Mesh production line
- Rebar production line
- Bent elements production line

**Delivery year:** 2018

 **SOUTH KOREA**

**CUSTOMER:** EMKO Ltd

**SUPPLY:**

Mesh production line

**Delivery year:** 2018

 **KAZAKHSTAN**

**CUSTOMER:** Нуртранссервис

**SUPPLY:**

- Mesh production line
- Rebar production line

**Delivery year:** 2015

**CUSTOMER:** Karat LLC

**SUPPLY:**

- Flexible connections manufacturing line
- Rebar production line

**Delivery year:** 2018

# CONTACTS

ALEXEY  
ZUBKOV



**Director**  
Sales of production lines

IVAN  
KRASILNIKOV



**Technical Director**  
Solving technical issues

KOSTANTIN  
KULYABIN



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