



# The Presentation of LLC «MicroMesh Technologies» production



# About Company

“MicroMesh Technologies” is a dynamically developing company, aimed at the creation and implementation of innovative technologies in a wide range of products with the use of meshes with small and extra-small cell sizes.



The company occupies a unique position in the Russian market of MicroMeshing Technologies. In fact, our company is the only manufacturer of certain products in Russia.



Our company's staff has a high level of technological knowledge. This allows us to constantly move forward, introducing new products, as well as to fully satisfy the most demanding requests of our clients.

*The mission of our Company is : "We make the new useful products that help our clients to achieve the best results!"*

# Expanded Mesh

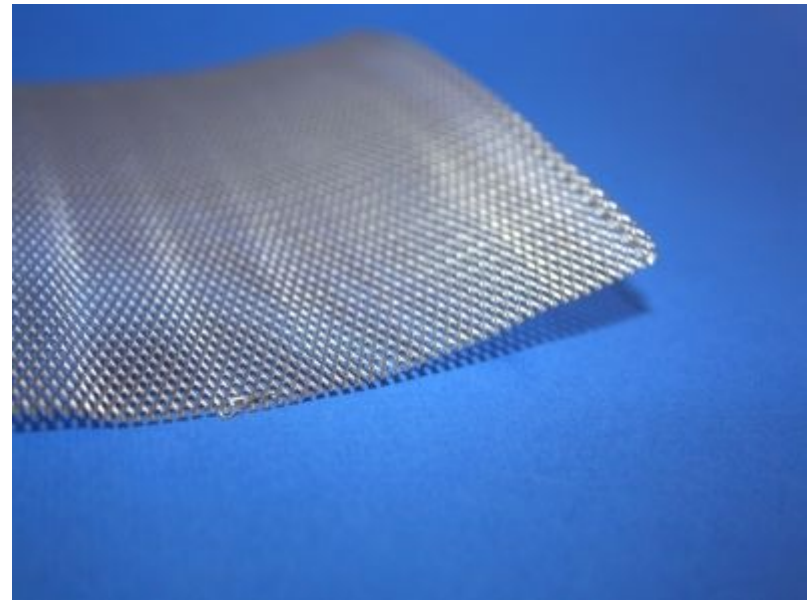
Expanded Mesh (EM) with the Technical Requirements of 14-005-09066087-2013 is made of a metal sheet (galvanized and non-galvanized) or stainless steel sheet. The process of manufacturing EM is on the special equipment where the metal sheet is cut and stretched into the diamond-shaped cells in chessboard order. The metal thickness can vary from 0.2 mm to 0,8 mm

The uniqueness of our Expanded Mesh (EM) differs from the manufacturers of the similar product by the micro-size cells. We produce this mesh with a cell size from 0,5x 0,5 mm (jumper width : 0.2 mm).

Expanded Mesh (EM) has no stitches or joints, thus, its structure is more durable.

Expanded metal mesh is beautiful appearance, light and permeable for air, has sufficient hardness.

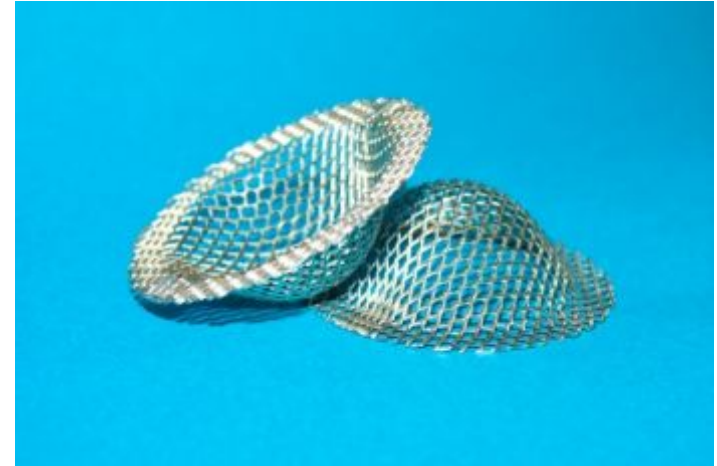
Comes expanded metal mesh in rolls and maps.



# Moulding Filters

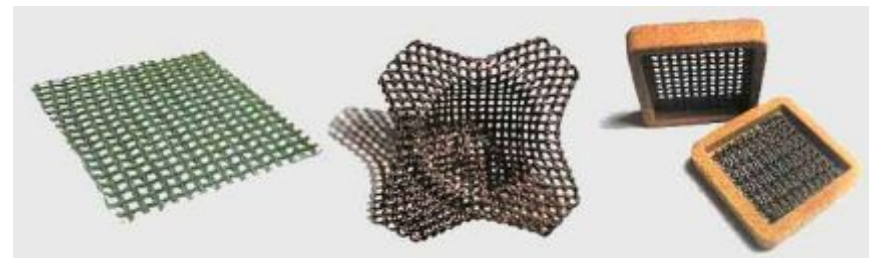
Our company will design and manufacture of metallurgical and casting filters for your industry on the basis of technical conditions and characteristics.

In relation to expensive foam and ceramic, mesh and ceramic, refractory (fireclay) and other filters, our products



have such advantages as :

- cheaper prices and a high quality of filtration;
- ability to use the technologies of direct casting upon a filter;
- reduction of waste and cost for mechanical processing of castings(i.e. for processing tool);
- smaller energy expenses for metal heating in comparison with other types of filters;
- high degree of chemical filtration (without harmful components containing materials of the filter, affecting negatively to the process of finishing of the casting operations, and in the process of re-melting);
- high passing capacity of the filter and the casting speed;
- filters help to reduce general production expenses and improve the quality of the final product casting, at the same time.





# Mesh Filter



The Mesh filters can be produced from a large number of metallic and non-metallic materials, which can be processed into threads. The filters form can be of various kinds, including rolls, round and rectangular, hollow (tubular) and solid, pressed and low density.

If necessary, the material of filters manufacturing can be a huge list of metals and alloys, plastic and ceramic fibers, and all the diversity of their joint using to get the necessary characteristics, such as high temperature resistance exceeding 1,000 degrees Celsius, corrosion resistance and other parameters. Used in various industries. Our company produces mesh filters for car foam washing machines. Besides, we can also manufacture filters based on the meshes, almost of any design and size, operatively

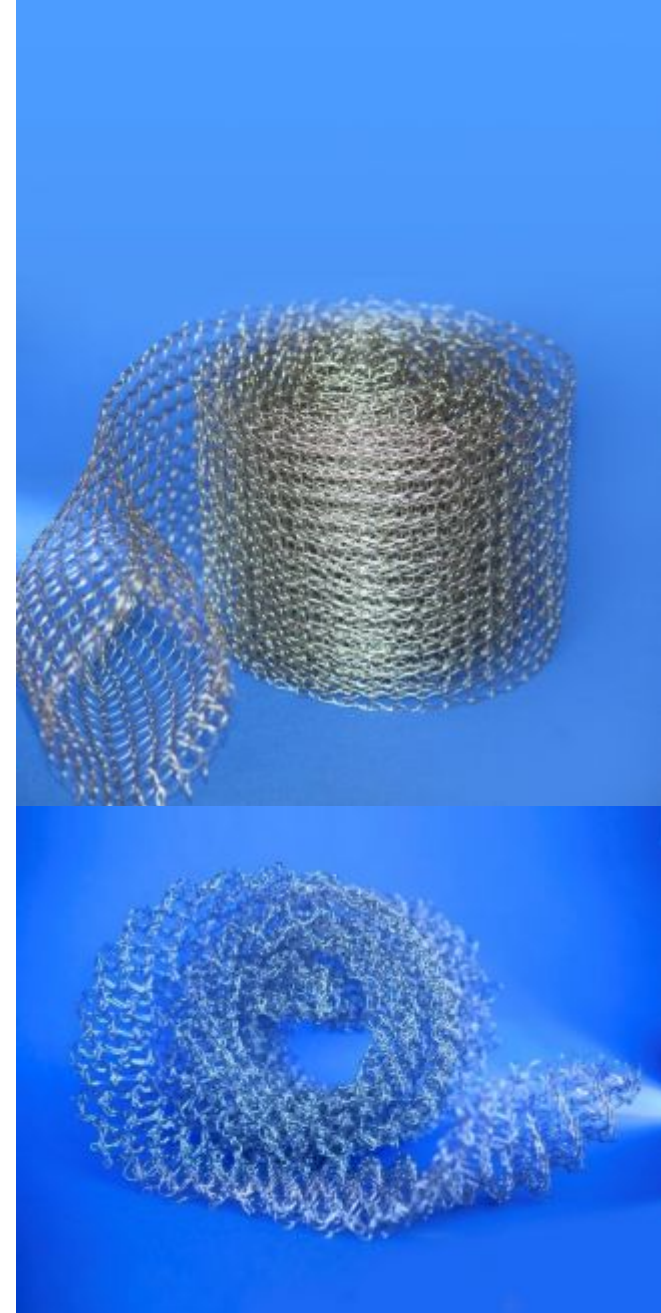


# Sleeve Mesh

Sleeve Mesh (Sleeve Mesh , SM, SM(corrugated), Dacron Sleeve Mesh(DSM) , Cooper Sleeve Mesh( CSM) braided stainless wire of 12X18H10T, in accordance with developed to our Technical Requirements of 14-002-09066087-2012. Sleeve Mesh is produced in various design forms with application of steel, polyester etc.

The Sleeve Mesh (SM) is completing product for rejecting mesh (droplet), flame-blockers( defenders, protectors), various filters, sound savers, etc

Our products are successfully used at the enterprises of the petroleum and chemical industries, production of capacitive equipment.



# Thermo-Gasket Strip (Metal Strip Seal)

Thermo-Gasket Strip (Metal Strip Seal) with the Technical Requirements of 14-003-09066087-2013. Our company is the only manufacturer of this product in Russia.



The product is fully comply with import analogues of these products. This Thermo Gasket Strip is one of the components of gas pumping units and turbines. Those units and turbines serve for transportation of gas and are not only under exploitation of Gazprom, but also other organizations involved in the transport of gas over the territory of the Russian Federation.

# Tinned Cooper Braid (TCB)

Tinned Cooper Braid (TCB) is intended for protecting of cables, wire harnesses, installation wires. Tinned Cooper Braid (TCB) provides an additional protection from external electromagnetic radiation impacts.

Also, the mesh can be used for working or protective grounding connection in the section from electrical equipment to the earth conductor. Tinned Cooper Braid (TCB) is produced in various designs with the use of various of copper wire platings. According to customer's requests we can manufacture the other metals wire, similar to the properties of copper wire.



Product	measure unit	Weight kg/linear m	Max. protected(covered) diameter, mm	Structure		Density weaving, not less, %
				Ø wire diameter in strand, mm	wire number in strand and their number	
TCB T2 10×16	linear m	0,056	16	0,20	8×24	80
TCB T2 16×24	linear m	0,131	24	0,30	8×24	80
TCB T2 24×30	linear m	0,138	30	0,30	9×24	80
TCB T2 30×40	linear m	0,152	40	0,30	10×24	80



# EMI Tinned Copper Sleeve Mesh (TCSM)

Flexible conductive sleeve made of tin-plated copper wire is used for EMI protecting cable connections

Can be of 3 kinds:

2 threads of tinned copper

4 threads of tinned copper

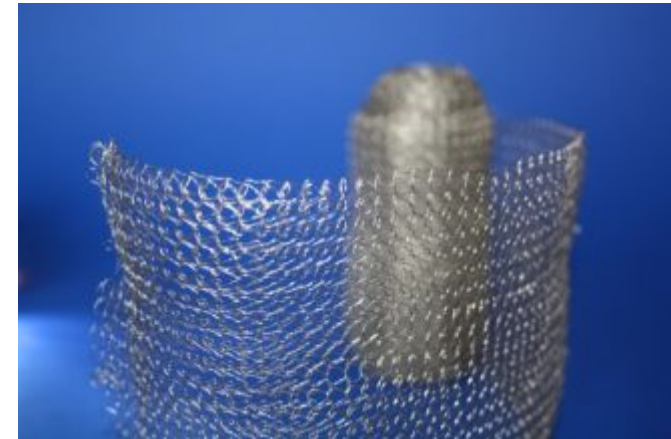
2 threads of tinned copper and 2 threads of polyamide

It is used for EMI protecting cable connections, restoring the screen power cables, alignment, electric potential, and to align the connections pane in the oil-filled cables.

Used in composition of cable splices.

The copper sleeve mesh is designed to sweep augers and cartridges of the extrusion equipment, thermo and vacuum equipment, maintenance of automatic plaster machines.

Scrubber mesh is made in the form of uncut sleeve, with a width of 80 mm up to 150 mm. Its plane and flexibility features provide perfect cleaning without any abrasive effect upon the material being processed.



# AMG, AMGL, AMG-T

Copper Flexible Car Wire( AMG), Copper Tinned Flexible Car Wire(AMGL), Copper Tinned Flexible Braided Car Wire (AMG-T) are uninsulated copper braided wires of AMG brand are used for earth-grounding of electrical equipment and other similar products to the body and antennas of radio stations for connection of brushes of electric furnaces and electric machines, outputs of power semiconductor devices, etc, and is made from copper wires, strands of copper wire. The same is from copper wires and it is tinned.



Product	Nominal wire diameter, mm	Weight kg/linear m	Nominal cross-section, mm	Nominal dimensions mm		Braid Step,mm	wire number in strand	Wire quantity in strand	Electrical resistivity 1 km of wire per. Ohm, not more
				width	thickness				
<b>AMG 16</b>	<b>0,2</b>	<b>0,150</b>	<b>16</b>	<b>15</b>	<b>2,5</b>	<b>115</b>	<b>24</b>	<b>21</b>	<b>1,24</b>
<b>AMG 25</b>	<b>0,25</b>	<b>0,237</b>	<b>25</b>	<b>18</b>	<b>2,5</b>	<b>120</b>	<b>24</b>	<b>21</b>	<b>0,79</b>
<b>AMG-T 16</b>	<b>0,2</b>	<b>0,150</b>	<b>16</b>	<b>15</b>	<b>2,5</b>	<b>115</b>	<b>24</b>	<b>21</b>	<b>1,24</b>
<b>AMG-T 25</b>	<b>0,3</b>	<b>0,237</b>	<b>25</b>	<b>18</b>	<b>2,5</b>	<b>120</b>	<b>24</b>	<b>15</b>	<b>0,79</b>

# Copper Earth Strap ( CES) - tinned copper flexible braids-crimped with connectors (terminals or lugs)

To ensure electrical safety according to IEC standards of electrical earth-grounding of installations and equipment.

Grounding of electrical equipment applying tinned copper flexible braids-crimped with connectors ( **CES** ) with the tinned copper wire braid of AMG brand connected with tinned copper lugs with bolt holes.



Abbreviation of **CES-16-150-8** - **Copper Earth Strap** – **Nominal Area,MM2** - **Length ,mm** - **offset hole diameter for bolt, mm**. Types of the products :

Product Article No	Nominal wire diameter $\varnothing$ , мм	Offset diameter d1, мм.	Nominal Area,MM2	Strap Length of "L" side , мм. +- 0,5
CES 10-150-8	0,2	8	10	150
CES -16-150-8	0,2	8	16	150
CES -16-200-8	0,2	8	16	200
CES -16-300-8	0,2	8	16	300
CES -16-500-8	0,2	8	16	500
CES -16-700-8	0,2	8	16	700

# Demister

Mesh demisters or as synonyms: demister, drop entrainment, mist eliminator .

Our Company manufactures demisters , that comply with applicable standards, GOST State Standards and Technical Requirements of native place and foreign.

Demisters are the most effective element for cleaning, drying, distillation and separation of gas and vapor parts of devices, which must receive set parameters of technological processes.





# Our Contacts

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