



**KAMENSK-URALSKY  
NON-FERROUS METAL  
WORKING PLANT**



For those, who choose quality



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WORKING PLANT**

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JSC "Kamensk-Uralsky Non-Ferrous Metal Working Plant", is the leading enterprise in the non-ferrous metals industry of Russia.

A very impressive list of products manufactured by JSC "KUZOCM" includes today about 16 thousand of standard sizes of products from more than 140 alloys on the basis of copper, nickel, zinc, etc. The main goods are extruded and drawn bars of round, hexagonal, square and special shaped cross-section; round and rectangular wire; collector strips; bus-bars, anodes, casting and master alloys, powders, and cables.

The output products are widely used in various industries such as electrical, power engineering, metallurgical, machine-building, shipbuilding, chemical, petroleum refining, automotive industries, instrument engineering, aviation.

The process technology of metal working includes melting, casting, extruding, rolling, and drawing processing performed with high-tonnage equipment. The plant has its own laboratory which carries out quality control of the products by means of the modern test machines and reliable metrological equipment.

Nowadays, meeting the market requirements, there are some large-scale projects in process concerning restructuring, modernization, equipment acquisition and installation; new trends and techniques are mastered. Investment projects are focused on product quality assurance up to the world standard as well as on market offering of new types of rolled metal production.

The plant is traditionally known as supplier of high-quality products meeting the requirements of international (DIN, EN, BS) and Russian standards.

Production capacity of the enterprise allows to expand constantly the assortment of the output products. Competitive products are provided by means of the quality management system of the Company which corresponds to requirements of the International Standard ISO 9001:2008 confirmed by International Certification.

Nowadays the JSC "Kamensk-Uralsky Non-Ferrous Metal Working Plant", steadily representing itself on the foreign market, exports to far-abroad countries, such as Italy, Germany, France, Czech, Brazil and so on.

Extensive experience, scientific potential, and dynamic development of the enterprise are the major components of our success and reliability.

Due to the manufacturing potentialities, the enterprise is able to satisfy the Customers' demands, to deliver to them a wide range of products featuring various physical-and-mechanical and chemical properties. The primary concern of KUZOCM is full satisfaction of the needs of our clients.



**Equipment for brass rod production**

In October 2008, equipment start-up for brass rod production became an important event in the modernization process. Brass rods produced on the equipment conform to all quality requirements of the European market. Production capacity of the equipment comprises 30 thousand tons annually.

The brass plant was designed, built, mounted and put into operation by forces of the four established Italian companies, namely Calamari - two melting furnaces; Coim - billet pre-heating furnace; Presezzi Extrusion - extrusion press; O.C.N. - two drawing lines.

At present the company conducts a large-scale work upon modernization, acquisition and installation of new equipment, actively develops new technologies.

2011 - The EDM wire production was mastered. The wire is manufactured under own brand "BRASSTON"

2013 - UPCAST technology-based oxygen-free copper production was introduced

2013 - the hydraulic drawing mill «HAD-50» was installed and mastered

2013-2016 - First and Second Conform lines were put into operation for copper bus-bar extrusion.

2016 - Line «HAD-50» was equipped with a modern correctly-stretching machine with automated control





Quality management system of the plant corresponds to the requirements of the International standard ISO 9001:2008. It is proved by the international certificates Qualityaustria, IQNet.





## Assortment of our products



### BRASS PRODUCTS

N°	Material grade		Product	Standard	Cross-section				Size, mm
	Symbol	Designation number							
1	CuZn39Pb3	CW614N	rods	EN 12164, EN 12165	●	■	⬡		5-140
			billets		●				
2	CuZn40Pb2	CW617N	rods	EN 12164, EN 12165	●	■	⬡		5-140
			billets		●				
3	CuZn37	CW508L	rods	EN 12163	●	■	⬡	—	5-140
			wire	EN 12166				—	
			billets						
4	CuZn39Pb2	CW612N	rods	EN 12164, EN 12165	●	■	⬡	▲	6-140
			wire	EN 12166					
			billets						
5	CuZn36Pb2As	CW602N	rods	EN 12164, EN 12165	●				18-120
6	CuZn35Pb1.5AlAs	CW625N	rods	EN 12164, EN 12165	●				5-140
7	CuZn33Pb1.5AlAs	CW626N	rods	EN 12164, EN 12165	●				5-140
8	CuZn37Mn3Al2PbSi	CW 713R	rods	EN 12164, EN 12165	●				5-75

\* Technical conditions  
Materials and alloys mentioned above are processed regularly, other materials and variations on request.

### BRONZE PRODUCTS

N°	Material grade		Product	Standard	Cross-section				Size, mm			
	Symbol	Designation number										
1	CuAl10Ni5Fe4	CW307G	rods	EN 12165, EN 12163	●	■		—	16-140			
			billets		●							
2	CuAl10Fe3Mn2	CW306G	rods	EN 12165	●	■		—	16-140			
			billets	EN 12163						●		
3	CuAl9Fe4Ni4Mn1		rods		●				15-130			
			billets							EN 1982	●	
4	CuBe2	CW101C	rods	EN 12163	●	■	⬡		5-120			
			wire	EN 12166						●		
5	CuSi3Mn1	CW116C	rods	EN 12163	●	■	⬡		5-120			
			wire	EN 12166						●		
			billets							●		
6	CuAl11Fe6Ni6	CW308G	rods	EN 12165	●				16-100			
7	CuAl10Fe5Ni5-C	CC333G	billets	EN 1982	●				150-330			

\* Technical conditions  
Materials and alloys mentioned above are processed regularly, other materials and variations on request.

## Assortment of our products

### POWDERS

N°	Product	Purity
1	Atomized aluminium powder, secondary	85% 90% 93% 97%
2	Atomized aluminium powder, secondary, passivated	85% 90% 93% 97%
3	Aluminium powder for heat resistant alloys	96% 99,7%

In addition to the above mentioned products we also produce copper powder for lubricant and desoxidation as well as several grades of bronze powder. Secondary atomized aluminium powder is packed in soft containers "Big Bag" of 1000 kg

### COPPER PRODUCTS

N°	Material grade		Product	Standard	Cross-section				Size, mm	
	Symbol	Designation number								
1	Cu-ETP	CW004A	bus-bars	EN 13601					a=4-20 b=12,5-120	
			rods	EN 13601	●	■	⬡	—		5,0-140
			profiles, collector strips	EN 13605				▼		h>5mm
			wire	EN 13601	●					0,08-6,0
2	Cu-OF	CW 008A	bus-bars	EN 13601						
			rods	EN 13601	●	■	⬡	—		
			profiles, collector strips	EN 13605	▼					
3	CuCr1	CW105C	rods	EN 12167	●		⬡		8-125	
			billets		●				150-243, 250; 295	
4	CuCr1Zr	CW106C	rods	EN 12163	●				10-80	
			billets		●				163, 190	
5	CuCo2Be	CW104C	rods	EN 12163	●				10-80	
			bus-bars					—	all sizes on request	
6	CuCoNi1Be	CW103C	billets		●				190-243	
			bus-bars	EN 12167				—	12x70	

\* Technical conditions  
Materials and alloys mentioned above are processed regularly, other materials and variations on request.

### NICKEL PRODUCTS

N°	Material grade		Product	Standard	Cross-section				Size, mm
	Symbol	Designation number							
1	Ni99,6	2.4060	rods	DIN17752	●				5-90
			wire	DIN17753	●				0,1-12
2	NiCr8020	2.4869	wire	DIN 17470	●				0,5-10
			strip				—	2,0-3,0x20-30	
3	NiCr6015	2.4867	wire	DIN17753	●				0,5-10
			strip				—	2,0-3,0x20-30	

\* Technical conditions  
Materials and alloys mentioned above are processed regularly, other materials and variations on request.

### COPPER-NICKEL PRODUCTS

N°	Material grade		Product	Standard	Cross-section				Size, mm
	Symbol	Designation number							
1	CuNi10Fe	CW352H	billets rods wire	upon request			●		1-9
2	CuNi30Mn1FeTi	CW354H	wire	upon request			●		1-9

\* Technical conditions  
Materials and alloys mentioned above are processed regularly, other materials and variations on request.