SGMK

Siberian Mining and Metallurgical Company



SGMK is one of the leading companies in the Russian market among enterprises of the mining and metallurgical industry

20 years

We make a large-scale contribution to the economy, environment and social development of the regions where we operate



Hot-rolled steel sheet

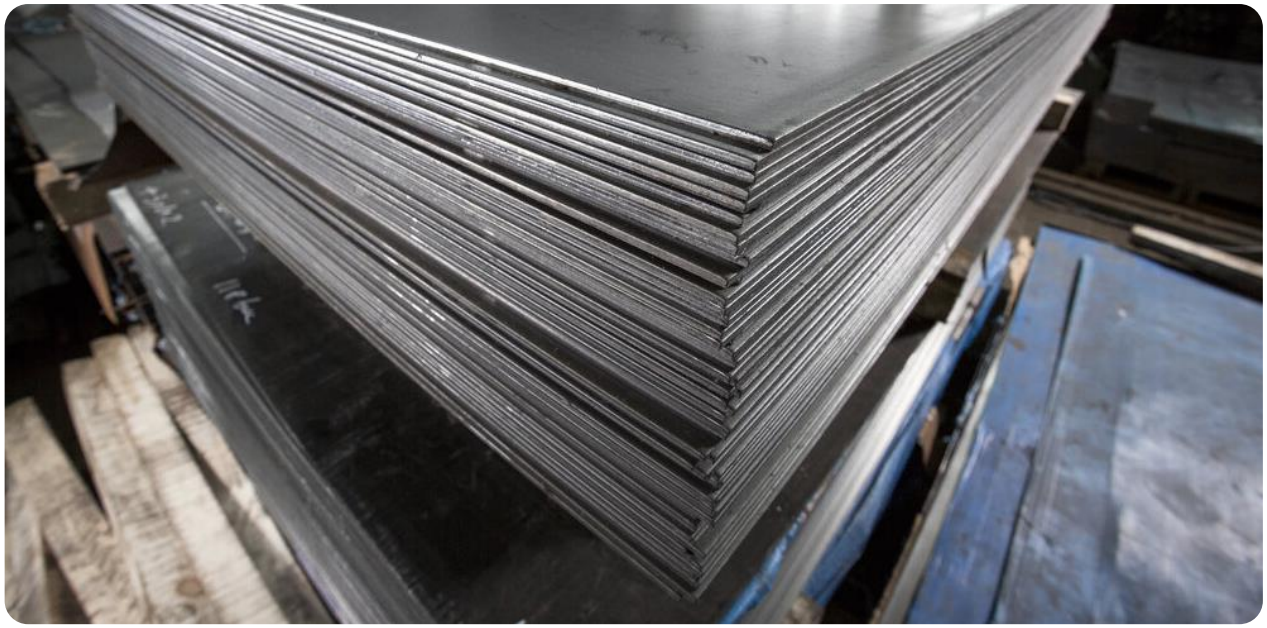
50 thousand tons/year
Production volume

One of the top 5 best suppliers of heavy rolled plates in Russia



Steel Grades
- St 10-25
- St 35-70
- 20Kh, 40Kh, 45Kh
- S355

Sheet Sizes
Thickness: 8.0–100 mm
Width: 1000–2300 mm
Length: 3000–12000 mm



Copper Wire Rod

100 thousand tons/year

The plant has been put into operation

Europe's leading producer of wire rod from recycled copper scrap and Russia's only fully integrated facility—from raw materials to premium-quality finished products

We don't just meet national standards — we exceed them

More than 40 new solutions have been implemented, enabling our products to exceed national standards requirements:

- **Ductility** exceeds the standard requirement by 25%
- **Electrical conductivity** surpasses the standard requirement
- **Tensile strength** is 20% higher than the specified standard

Product quality is confirmed by international certifications

- ISO 14001 (environment)
- ISO 45001 (occupational health and safety)
- ISO 9001 (quality management)

Chemical composition, gram/tons

Bi	Se	Te	Cr	Mn	Sb	Cd	As	P	Pb	S	Sn	Ni	Fe	Si	Zn	Co	Ag	H
0.5	0.5	2.0	1.0	1.0	2.0	1.0	1.0	1.0	2.0	6.3	0.5	0.9	3.8	2.0	1.0	1.0	4.0	0.2





Amur Steel

Rebar

>1 million tons/year
Production volume

The plant produces steel for reinforcing concrete construction (angle and round rolled steel bars), wire rod, wire and long billets

Product Name	GOST, Standard	Size, mm	Steel Grade
Rebar A240	GOST 34028-2016	6-12 in coils, 10-40 in bars	St3sp
Rebar A400	GOST 5781-87	6-12 in coils, 10-40 in bars	25G2S, 35GS
Rebar A500	GOST 34028-2016	10-40 in bars	A500
Rebar A600, A800	GOST 34028-2016	12, 14 in bars	A800





The performance characteristics of reinforcing bar grades A240, A400, A500, A600, and A800 ensure a high level of mechanical properties, reliable bond between the steel and concrete, and ease of use in the manufacture of reinforced concrete structures. Reinforcing bars with a ribbed (periodic) profile feature a rolled marking indicating the strength grade and the manufacturer

Ferroalloys

100 thousand tons/year
Production volume

3
ISO quality certifications

- **Automatic emission control.** Air and soil monitoring systems
- **Care for resources saving.** Recycling water supply system
- **Close cycle production**
  Processing of waste products to certified goods for secondary use or sale

Ferrosilicon FS75 Alloy (ultrapure), %

Chemical element	Si	Al	C	Ti	Ca
Specifications	77%	0.30%	0.018%	0.014%	0.1%

Ferrosilicon Manganese Alloy FeMnSi17, %

Chemical element	Mn	Si	P	C	Mn
Specifications	66%	17%	0.15%	1.5%	66%







Timber

Phytosanitary heat treatment
according to the international ISPM 15 standard, chamber drying

It is possible to produce products at the request of the buyer
(moisture content)

Natural moisture lumber







Chamber drying lumber and profiled products









Charcoal briquettes

100 %

Environmentally friendly product, produced from wood sawdust and chips

4 500 tons/year

Biochar production volume



Characteristic	Indicator
Total moisture, %	0.8
Ash, %	2.0
Volatile material, %	8.5
Heat capacity, Gcal/kg	7.7
Sulfur, %	0.03
Fixed carbon, %	85.5
Carbon, %	87.0

Fir oil

100 % natural product of the highest quality is extracted by steam distillation from fir needles

57 tons/year
Production volume

Produced on high-tech equipment using the AISI 304 steel and a multi-stage system of purification of raw materials, complies with all industry standards



Indicator	Value
Bornyl acetate,%	от 27*
Density, g/cm^3	0.904
Refractive indicator, n20	1.4717
Acid value, mg KOH/g	0.4

*At the request of the buyer, essential oil can be supplied with a content of bornyl acetate from 27 to 35%

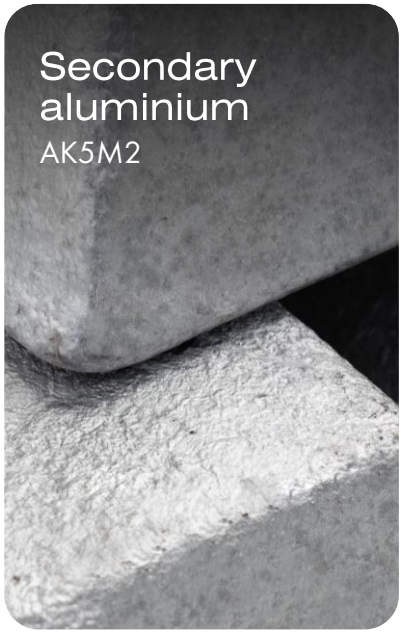
Secondary aluminium

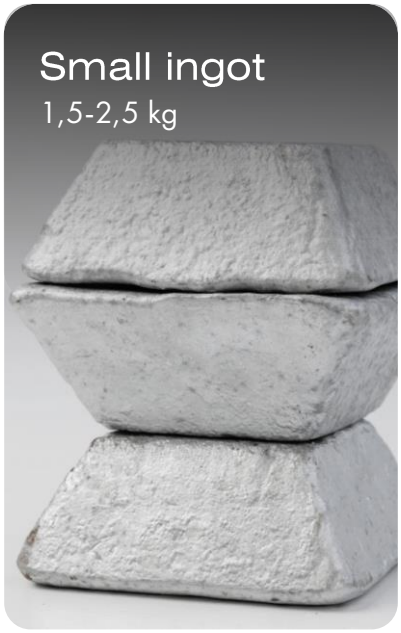
>17 thousand tons/year
Recycled aluminium scrap

16 thousand tons/year
Production capacity

- **Innovative site**
  with production and warehouse base
- **Alloys meet international quality standards**
- **Mechanical engineering parts manufacturers** from Southeast Asia (Thailand, Korea, Japan, Malaysia, Taiwan) **are key consumers**

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AK5M2, %

Chemical element	Al	Cu	Si	Mg	Zn	Fe	Mn	Ni	Ti
Specifications	86.94-94.05	1.5-3.5	4-6	0.2-0.85	1.5	1	0.2-0.8	0.5	0.05-0.2

Manganese Ore



The ore has demonstrated excellent performance during pilot trials
in the production of silicomanganese

According to ISO 5447:1980
(Mn 60–64%, P 0.35–0.6%): up to 80%
of Usinskoye deposit ore can be incorporated

Characteristics of Oxidized Manganese Ore

Chemical element	Mn	Fe	P	SiO_2	CaO	Moisture	Fraction
Specifications	30% min	12% max	0.35% max	25% max	3% max	20% Max	Available upon request

Performance Indicators of Manganese Ore Application

Indicators	SAR	Share of Usinskoye ore		
	100%	30%	50%	75%
Efficiency, thousand tons/year	54.1	52.1	50.3	42.1
Efficiency, %	100	96	93	78
Extraction, %	80	80	78	81
Active capacity, MBA	10.1	9.8	10.1	9.9
Active capacity, %	100	97	100	98
Specific energy consumption, MWh/tons	4.53	4.52	4.82	4.98
Metal composition, %				
Mn	63.9	61.6	61.9	61.1
P	0.12	0.21	0.28	0.39

The introduction of ores from the Usinskoye deposit allows us to:

- Reduce dependence on imports of manganese ores
- Increase the raw material safety
- Reduce production costs

Rubber Crumb and rubber Powder

11 thousand tons/year

Production volume

Oversize tires are recycled by the best environmental method — electromechanical shredding technology.

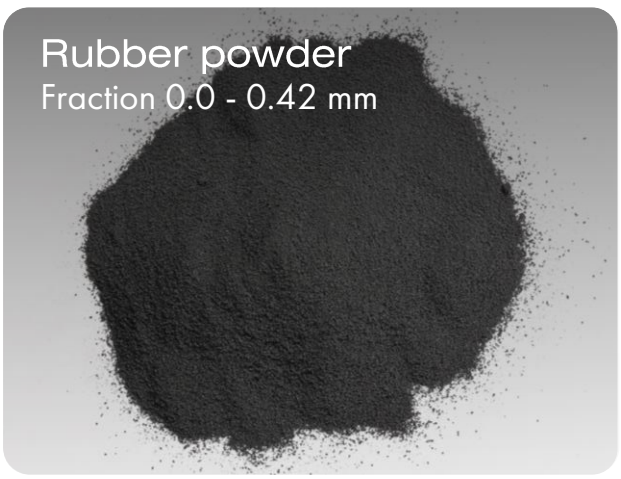
Completely zero waste production

- **Product with a high natural rubber content,** obtained from the processing of OTR (Off-The-Road) tires
- Flexibility in production of **any fraction sizes from 0 to 5 mm**
- **Absence of metallic inclusions** due to a two-stage magnetic separation process
- **Absence of textile fibers** achieved by processing non-textile tires and an additional fiber separation stage

Characteristics of Rubber Crumb and rubber Powder

Characteristic	Indicator
Mass fraction of ferrous metals, %, (not more than)	0.1
Mass fraction of textile fiber, %, (not more than)	2.0
Loss of mass on drying, %, (not more than)	2.0
Mass fraction of rubber crumb, %, (not less than)	90





Recycled rubber

4 thousand tons/year
Production volume

Oversize tires are recycled by the best environmental method — electromechanical shredding technology.

Completely zero waste production

- **Produced in the form of slabs weighing 1.5-2 kg**
- **Tire reclaim with a high content of natural rubber**, obtained by processing OTR (off-the-road) tires
- **No metallic inclusions** due to a three-stage magnetic separation process
- **No textile fibers** due to the processing of non-textile tires and additional textile fiber separation



Characteristic	Indicator
Ash content, %, max	7
Volatile matter content, %, max	0.8
Acetone extract content, %, max	25
Mooney viscosity	30±10
Tensile strength, MPa, min	7
Elongation at break, %, min	300
Content of metallic inclusions, g, max	0.02



SGMK

Denis Kraev

CEO of SGMK

+7 903-945-72-77
kraev_da@sgmk-group.ru

sgmk.ru/en/