VZPS

VLADIMIR PLANT OF PRECISION ALLOYS

PRECISION ALLOYS AND SPECIAL STEEL LONG PRODUCTS

• WIRE • BAR • ROD • STRIP

Electrical Resistance / Heating alloys
Welding Consumable
Pure Wrought Nickel
Heat Resistance/High-temperature/Corrosion-resistant alloys
Thermal Spray
Precision alloys

2016

INTRODUCTION

Vladimir plant of precision alloys is a well-established company, dealing with high-nickel alloys. As a customer oriented company we put the client's satisfaction at the first place of all our activities. We bring the best service and rewarding experience for more than thousand satisfied customers all over the world. Our main principle is a constant development for meeting the market needs in quality products with high availability.

We can offer

- 4-6 weeks lead time to any part of Europe for most of alloys (including production period)
- You can order custom-melted alloys according to your chemical composition and size requirements at heat lot up to 300 kg
- Warehouse in Riga (Latvia) gives us opportunity to maintain stocks and cut the delivery time. Materials free for use in Europe, we take care of all the bureaucratic operations for customs clearance of goods and pay all customs duties
- Individual stock: you can use our stock as your own without paying high charges
- Customizing: Custom labelling, packaging and certification are available

Our capabilities

- Melting
- Remelting (ESR, VAR)
- Hot rolling
- Cold rolling
- Cold drawing
- Heat treating

Quality management system

Our quality management is certified according to ISO 9001:2008 by TÜV Rheinland Germany. Quality System covers production and sale of ingots, hot-rolled bars and strip, calibrated bars, cold rolled strip and wire, made of nickel and nickel alloys, stainless, heat-resistant and high-precision steel and alloys.

Welding Consumables are CE Mark certified, fulfilment of the European Construction Product Regulations, health and safety norms enables the free use, without any additional certification of our products throughout the Europe.

Every delivery accompanied with mill test certificate, issued in compliance with EN 10204-2004 / 3.1.

Quality control

All our products are subject to metallographic, mechanical and physical testing at certified laboratories. Express chemical analysis on each stage of production process is controlled at the chemical lab by the spectrograph. Our materials are regularly tested in independent European laboratories, which are in turn certified by DAkkS.

Health and Safety

Vladimir plant of precision alloys implemented safety rules according to Directive 2002/95/EC, 2011/65/EU and 2001/58/EC. Outcome production is checking out on compliance with the following documents, developed by the European Union to reduce the risks of importing forbidden chemical components: Restriction on Use of Hazardous Substance in Electrical and Electronic Equipment (RoHS and RoHS 2) and Material Safety Data Sheet (MSDS).

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PRODUCTS

Alloys

Electrical Resistance / Heating alloys

REZISTAN

DIN 17470/17471, ASTM B344

Rezistan 80 (NiCr 80/20, W.-Nr. 2.4869, UNS N06003)
Rezistan 70 (NiCr 70/30, W.-Nr. 2.4658, UNS N06008)
Rezistan 60 (NiCr 60/15, W.-Nr. 2.4867, UNS N06004)
Rezistan 30 (NiCr 30/20, W.-Nr. 1.4860)

Welding Consumables

WELDME

AWS A5.14, AWS A5.15, DIN EN ISO 18274 — TIG/MIG

WeldMe 99 (ENi-CI, Nickel 99.2, UNS N02215)
WeldMe 61 (ERNI-1, NiTi, W.-Nr. 2.4155, UNS N02061)
WeldMe 80 (ERNiCr-6, W.-Nr. 2.4639, UNS N06076)
WeldMe 55 (ENiFe-CI, NiFe 60:40/NiFe 55:45, UNS W82002)
WeldMe 82 (ERNiCr-3, Alloy 82, W.-Nr. 2.4639, UNS N06082)
WeldMe 625 (ERNiCrMo-3, Alloy 625, W.-Nr. 2.4831, UNS N06625)
WeldMe 601 (ERNiCrFe-11, Alloy 601, W.-Nr. 2.4626, UNS N06601)

Pure Wrought Nickel

DIN 17740, ASTM B160

Alloy 200/Ni 99.2 (W.-Nr 2.4060/2.4066, UNS N02200)
Alloy 201/Ni 99.6 (W.-Nr 2.4061/2.4068, UNS N02201)
Alloy 205 (W.-Nr 2.4061, UNS N02205)
Alloy 212 (W.-Nr 2.4110, UNS N02212)

Heat resistance / High-temperature/ Corrosion-resistant alloys

DIN 17742, DIN EN 10095

Alloy 600 (W.-Nr 2.4816, UNS N06600)
Alloy 601 (W.-Nr 2.4851, UNS N06601)
Alloy 625 (W.-Nr 2.4856, UNS N06625)
Alloy 718 (W.-Nr 2.4668, UNS N07718)
Alloy 330 (W.-Nr 1.4886/1.4864, UNS N08330)
Alloy 330Nb (W.-Nr 1.4887)
NiCr 8020Nb

Thermal Spray

ISO 14919: 2015

Ni 99,2 (Ni 99, UNS N02200)
Ni 95 Al 5 (NiAl5, UNS N03301)
NiCr 80/20 (NiCr20, UNS N06003)
Ni 46 Cr 43 Ti (NiCrTi)
Ni 93 Ti 3 (UNS N02061)
Ni 60 Fe 25 Cr 15 (UNS N06004)
Alloy 625 (UNS N06625)

Precision alloys

DIN 17745, SEW 385

48NiFe (W.-Nr 1.3922, UNS K94800)
79Ni4MoFe (W.-Nr 2.4545, UNS K14080)
36NiFe (W.-Nr 1.3912, UNS K93603)
42NiFe (W.-Nr 1.3917, UNS K94100)
29Ni53Fe17Co (W.-Nr 1.3981, UNS K94610)

Product form

Wire — Diameter from 0.2 to 12.0 mm

Bar — Diameter from 2.0 to 60.0 mm
Length up to 4000 mm

Strip — Thickness from 2.5 to 5.0 mm
Width up to 100.0 mm

Stranded wire — 18x0,523mm with 0.574mm King wire and similar specifications

Supply condition

Wire:

- Calibrated (Bright annealed)
- Hard drawn (Bright annealed)
- Soft annealed (Bright annealed / Oxidized)

Bar:

- Hot-rolled
- Cold-drawn
- Peeled and turned
- Polished

Strip:

- Hot rolled
- Cold rolled

We produce nickel-based alloys in accordance with international standards (DIN, EN, ISO) and customers' specifications.

If you do not find the exact alloy please, contact us and we will be glad to help you.

To learn more about each of the types of products you can refer to relevant pages in our online catalog http://en.vlzps.ru/

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PACKAGING OF PRODUCTS

Wire on spools

Wire Diameter, mm	Spool type	*Standard Weight, kg	Packaging
0.2 – 1.0	K 100 IEC 264-2 (DIN 46399)	1	6 pcs. in carton box
0.2 – 1.2	K 125 IEC 264-2 (DIN 46399)	3	6 pcs. in carton box
0.2 – 1.6	K 160 IEC 264-2 (DIN 46399)	5	6 pcs. in carton box
0.2 – 1.8	K 200 IEC 264-2 (DIN 46399)	10	2 pcs. in carton box
0.2 – 1.8	K 250 IEC-264-2 (DIN 46399)	20	1 pcs. in carton box

* Spools can be supplied in bigger weight

Welding Wire

MIG Wire, mm	Spool type	Standard Weight, kg	Packaging
0.8 – 3.0	K 300 basket spool (DIN 8559)	15-18	1 pcs. in carton box
0.8 – 3.0	K 415 basket spool (DIN EN 544)	25-30	1 pcs. in carton box
0.8 – 3.0	D 200 plastic spool (DIN 8559)	5	1 pcs. in carton box
0.8 – 3.0	D 300 plastic spool (DIN 8559)	15	1 pcs. in carton box

TIG rods*, mm	Length, mm	Standard Weight, kg	Packaging
2.0, 2.5, 3.2, 4.0, 5.0	915-1000	5	Carton box

Electrode core wire*, mm	Length, mm	Standard Weight, kg	Packaging
2.0, 2.5, 3.20, 3.25, 4.0, 5.0	250, 300, 350, 400, 450, 500	250 - 500	Wooden box

*Other rods length available

Wire coils

Wire Diameter, mm	Coil diameter, mm		*Standard Weight, kg	Packaging
	Inner size	Outer size		
1.0 – 2.0	400	600	20 – 30	On pallets
2.1 – 4.9	450	600	20 – 30	On pallets
5.0 – 7.0	650	1000	30 – 50	On pallets
7.1 – 12.0	650	1000	30 – 50	On pallets

* Other weight available upon request. Maximum weight of coil is 200 kg.

Ribbon coils:

Thickness, mm	Width, mm	Coil Diameter, mm	Standard Weight, kg
2.5 – 5.0	20 – 100	380 – 630	8.0 – 65.0

Round bars:

Diameter, mm	Length, mm	*Packaging	Comments
2.0 – 8.0	300 – 3000	Wooden box	Welding electrode
5.0 – 60.0	500 – 4000	Bundles on the pallet	Common use

* Special packaging available upon request

You can order required products through the online form on our web-site http://en.vlzps.ru/production-order/ or send us an e-mail export@vlzps.ru

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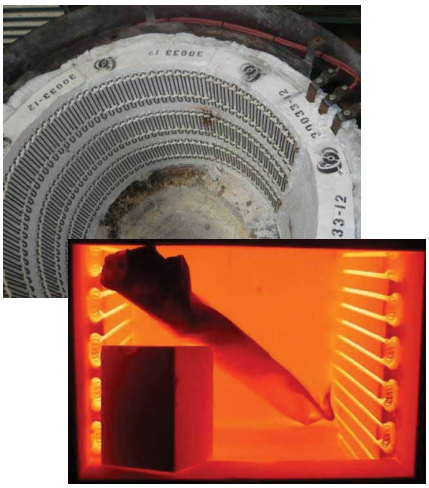
PRODUCT APPLICATION

VZPS's products are widely used in many industries, for instance, in the manufacturing process of the following industrial fields:

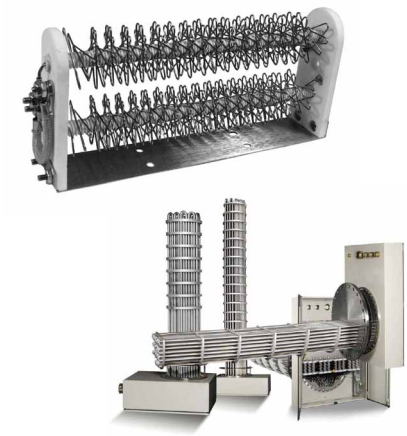
INDUSTRIAL FURNACES



CARTRIDGE HEATERS

TUBULAR HEATING ELEMENTS

HEATING EQUIPMENT /HEAT EMITTERS

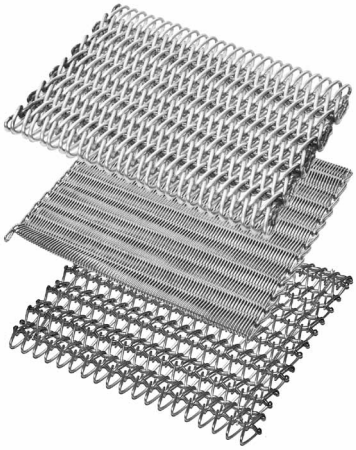


FRAME SPRAY TECHNOLOGIES

HIGH-NICKEL WELDING CONSUMABLES

HEATING MATS

HEAT RESISTANT WIRE MESH



HEAT RESISTANT BASKETS

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JSC VLADIMIR PLANT OF PRECISION ALLOYS
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[REZISTAN]

WELDME

CE 0035-CPR-C629
EN 13479:2004

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Management System
ISO 9001:2008
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