OSCAR
PRODUCTION GROUP

TUBE PLANT

ISO 9001: 2008

STAINLESS STEEL
ALLOYED STEEL
TITANIUM ALLOYS
NICKEL ALLOYS

SEAMLESS TUBES FOR

NUCLEAR INDUSTRY
AEROSPACE INDUSTRY
CHEMICAL INDUSTRY
ENGINEERING INDUSTRY

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AIRCRAFT INDUSTRY

SPACE INDUSTRY

DEFENSE INDUSTRY

SHIPBUILDING

OSCAR PRODUCTION GROUP

ENGINEERING INDUSTRY

CHEMICAL INDUSTRY

NUCLEAR INDUSTRY

GAS&OIL INDUSTRY

ABOUT ENTERPRISE

DEVELOPING THE TRADITIONS, TO THE INDUSTRY LEADERS

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OSCAR Production Group is one of the leading manufacturers of high-tech tubular products of stainless steel and alloys. It was established on the basis of production facilities of Tube Drawing Workshop No. 4 (TDW 4) of former Nikopol Yuzhnotrubny Plant (NYTP), Ukraine.

Since the beginning of operation, TDW-4 being a part of NYTP was specializing in manufacturing of the products for nuclear, aviation, space industries, special-purpose machine and shipbuilding and other areas of national economy, primarily those of defense orientation.

Tubes of various stainless steel and alloy steel grades and alloys including titanium based alloys were produced there. Scientific Research Tube Institute was developing technologies of zirconium tube manufacture process on the basis of TDW 4 facilities.

OSCAR Production Group is using the cold working technology (cold rolling and cold drawing). Its product line includes tubes of stainless steel and alloy steel grades and alloys including titanium and zirconium based alloys:

- 0.3-133 mm diameter, 0.08-15 mm wall thickness seamless tubes;
- 16.0-76 mm diameter multilayer (2 to 12 layers) tubes with thickness of individual layers of 0.16-0.25 mm;
- extremely thin-walled, thin-walled and ribbed tubes of titanium alloys in a standard size range.

The existing equipment enables the enterprise to ensure quality of stainless tubes at a level of the leading world manufacturers.

OSCAR Production Group operates a unique 1.4 mln sq feet facility equipped with 60 units of basic rolling equipment: 10 cold pilger mills, 41 tube rolling mills of roller type and 9 drawing mills.

Significant advantages of the enterprise are its powerful facilities for thermal treatment of tubes in a non-oxidizing atmosphere of ultra-pure hydrogen ("bright annealing") and in vacuum. It provides wide possibility for the manufacture of superhigh-duty tubes of special stainless steel grades and alloys and titanium based alloys for aerospace engineering, nuclear-power engineering, aircraft, ship-building, defense and other industries.

Also, OSCAR Production Group has all necessary equipment for titanium tube manufacture. The enterprise has facilities for the production of thin-walled and extremely thin-walled tubes of titanium alloys with the wall thicknesses less than 1 mm that is a unique advantage over its competitors. In addition, the equipment operated at OSCAR Production Group enables manufacture of titanium tubes up to 18 m long.

Technical capacities of OSCAR Production Group are comparable to those of the leading world manufacturers of seamless stainless tubes in terms of manufacture of high-tech tubes.

OSCAR PRODUCTION GROUP

BY PROVIDING QUALITY CONTROL, WE GUARANTEE COMPLIANCE WITH STANDARDS

As one of the leading manufacturers of high-tech tubular products for critical working conditions in nuclear, aerospace and defense industries, OSCAR Production Group places special emphasis on quality control of manufactured products.

OSCAR Production Group has qualified personnel (qualification is confirmed by proper accreditation centers) and all necessary technical facilities for control and testing procedures, set out in domestic and foreign standards applied to the products, manufactured at the enterprise. OSCAR Production Group has a certified central testing laboratory, a metrology laboratory, and a department of nondestructive testing of pipes.

The quality of products is controlled at all stages - starting with the launch of production until shipping to Customer. The special technological processes are controlled and results are documented in accordance with the direct instrumented measurement. OSCAR Production Group provides the following types of tube control:

- Visual inspection of external and internal surfaces with the usage of optical facilities.
- Instrumental measurement of geometrical parameters.
- Instrumented control for estimation of the quality of tubes' external and internal surfaces, metal denseness control, microstructure analysis, measurements of tube surface roughness and for measurements of geometrical parameters (diameter, length and wall thickness) over the entire tube length

Control of steel grades by steeloscopes (for alloy steels) and chemical or spectral analysis.

The products of OSCAR Production Group comply with national standards and specifications and foreign standards (EN, DIN, ASTM). The enterprise's Quality Control System is certified by the VNITI-TEST national certification centre in UkrSEPRO system and by the international certification centre TUV Thuringen.

OUR QUALITY

BY PROVIDING QUALITY CONTROL, WE GUARANTEE COMPLIANCE WITH STANDARDS

OSCAR PRODUCTION GROUP