



UZTEL S.A.

OILFIELD EQUIPMENT MANUFACTURING AND REPAIRS

243 MIHAI BRAVU St., code 100410, PLOIESTI, PRAHOVA-ROMANIA
Phone: + 40(0) 244-541399, 523455, 0372441111; Fax: +40(0) 244-544531, 521181,
E-mail: office@uztel.ro FISCAL CODE 1352846, R.C. PLOIESTI NO. J 29 / 48 / 1991

UZTEL PRESENTATION

UZTEL S.A. is one of the leading Oilfield Equipment manufacturers, with more than 110 years experience providing as well, the after-sales services. UZTEL has production capacities and well-skilled personnel specialized in the field of the oil & gas equipment manufacturing and repairs. The Company has integrated production, with in-house design abilities applying high technology to conform to the API specification or the other standards.

HISTORY

- **1904** - Romanian American Company, a subsidiary of Standard Oil Company started activities and build workshops and refineries facilities near Ploiesti.
- **1950** - Mechanical workshops of Romanian American Company became UZTEL, company of the Oil Romanian Ministry. The company became one of the main producers of oilfield equipment for the national petroleum industry, at the same time ensuring capital repairs for the whole range of oilfield equipment.
- **1991** - UZTEL became a joint stock company.
- **2004** - UZTEL became a private company with Romanian main shareholders.

ORGANIZATION

1. Engineering, Research and Development

Company has an integrated production, with self-designing abilities improved with high technology according to the API specifications or to the other standards.

For Design and Engineering there are use specialized software designs:

- Solid Works Professional 2010 and 3D Design
- Draft Sight - 2D Design

Design sizing calculations are performed with the following programs:

- MathCAD-Analytic program
- Solid Works Professional 2010 also for the calculation and verification of finite element generating report.

2. Workshops

- Foundry, Forging and Heat Treatment Workshop

Provided with modern equipment for control and automation of processes ensures cast parts of steel, non ferrous metal and cast iron up to 2 tones / piece. The capacity of the foundry workshop is about 6000 tones / year.

It produces forgings and die forgings up to 400 kilos, primary and secondary heat treatments and thermo-mechanical treatments, including nitriding.

Please see attached dedicated presentation.

- Machining Capabilities

Equipped with a high variety of machine-tools (including CNC machines) for mechanical processing which ensure the processing of all the pieces incorporated in our products.

UZTEL S. A. is equipped with a wide variety of machines that can perform machining on a variety of equipment.

Turning operations can be performed on front or yaw lathes to 2000 mm diameter and weighing up to 7000 kg. Turning operations can be performed on lathes up to 3000 mm diameter and weighing up to 10000 kg. For milling operations, the company is equipped with horizontal and vertical



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milling machines for small and medium sizes parts. For big pieces, the milling operations can be done on milling machines with movable table 5000 x 2000 mm.

The machining of complex configuration pieces can be performed on the boring and milling machine type AF-80, AF-100 and UNION-130. These types of machine can process parts type housing with dimensions up to 3000 x 2000 x 1500 mm and weights up to 7000kg.

UZTEL S. A. is also equipped with Numerical Control CN Lathe, as follows:

- 12 lathes with inclined bed with universal between 200 and 600 mm, bed processing diameter over 1000 mm and lengths up to 1500 mm processing;
- 1 Vertical lathe CNC with maximum processing diameter 2000 mm and height 1200 mm Max cutting;
- 4 horizontal CNC machining centers with table sizes ranging from 630 x 630 mm to 1400 x 1600mm maximum mass and weight up to 7000 kg;
- 4 CNC vertical machining centers with table sizes ranging from 1000 x 460 mm to 2200 x 1000 mm and maximum weight of up to 4800 kg mass.

UZTEL can perform round and plan gridding operations, external and internal, as well as honing or super finishing operations lapping.

-SYKES Gear cutting machine – herringbone gearing

-SARATOV Gear cutting machine bevel – gear toothing, circular-arc-type for rotary tables of drilling rigs.

The company also has radial drilling machines, slotting machines, coordinate drilling machines for processing medium sizes pieces.

- Welding Equipments and personnel

For welding there is use the following:

- TIG equipment = 4 pcs.
- MIG / MAG welding equipment = 8 pcs.
- SME sources of manual welding with coated electrode = 24 pcs.
- Sources of plasma jet cutting, CNC type =3 pcs.

The sources of welding are products of LINCOLN ELECTRIC and ESAB.

UZTEL has 2 (two) Welding Engineer with IWE/EWE attestation and 12 (twelve) Welders qualified according to ASME Sect. IX, SMAW, GTAW, GMAW methods.

Please see attached welding and personnel qualifications.

- Assembling and Testing and Painting Workshop

It ensures assembling and testing carried out in accordance with the product's technical specification. UZTEL SA has the technology to achieve a quality corrosion protection (painting) to meet customer requirements.

- Metallic Manufacturing Workshop

It manufactures metallic products, especially for oil industry like: drilling fluid conditioning, cleaning and circulating systems, pumping units, shale shakers etc.

- Repairing and Servicing Workshop

It ensures current repair works overhauling and remanufacturing for stationary drilling rigs, mobile rigs, additional equipment and as well as for UZTEL own manufactured equipments.

- Storing Houses and Products Warehouses.

Available 13,000 square meters area for storing and finish products, with periodically updated inventory status.



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3. Laboratories

The spectral laboratory can settle chemical analysis for different materials: high alloy steel, low alloy steel, nickel, and iron alloyed gray cast iron, aluminum alloys, copper based alloys and zinc using Hilger spectrometer. The device is checked daily with evidence supporting. The calibration checking is performed annually by specialized company.

Mechanical testing laboratory can settle (determines):

- Tensile testing using INSTRON tensile machine
- Impact bend test, Charpy test, determining KV and KCU resilience at ambient temperature or at low temperatures up to -60 degrees C.

- Mandrel bend test

- Stretching mandrel Test

- Breaking technology Test

- Flatten TEST

- Shear strength Testing

- Hardness HBW, HV, HRC Test

- Macroscopic and microscopic examination, with photo opportunity

Please see attached Laboratory Certification and personnel qualifications.

4. Test Facilities

For testing the manufactured equipment, UZTEL has different test stands:

- 1 hydraulic test stand for pressure up to 100 bar
- 3 hydraulic test stands for pressure up to 1050 bar
- 1 hydraulic test stand for BOP and oilfield equipment for pressure up to 1500 bar
- 1 hydraulic test stand for BOP and oilfield equipment for pressure up to 2100 bar
- 1 test stand for swivels, rotary tables, mud pumps, drilling production handling tools
- 1 test stand for BOP stripping

Gas pressure tests can be done by immersing the equipment in liquid at the nitrogen test stand.

All these test stands are equipped with pressure transducers and computers that records pressure diagrams during evidence.





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5. Supply Chain

All UZTEL's suppliers are periodically audited and qualified to be included in UZTEL Vendor List. All supplied materials are fully checked from quality and quantity point of view by our dedicated receiving control team.

6. Quality control process

The Company has integrated HSQE System certified by Germanischer Lloyd, assuring the conformity with international standards (certificates included) ISO 9001, ISO 14001 and ISO 18001 and API 6A, API 6D, API 10D, API 16A, API 16C, API 16D, CE, GOST-R and ROSTEHNADZOR, entitling UZTEL as a technological entity with a high degree of independence, integration and multiple production capacities.

OUR POLICY

QUALITY POLICY STATEMENT

- Our clients buy from UZTEL not only product but also solutions for their problems.
- UZTEL is a famous company in the world through high quality of products and promptness and agility that it moves to achieve them.
- UZTEL ensures priority for quality requirements through maintaining and continual improvement of the Quality Management System according to the international standards ISO 9001, ISO 14001 and ISO 18001 and API Spec. Q1 (9th Edition).

ENVIRONMENT, HEALTH, SAFETY

The environmental problem becomes a strategic challenge for our times. Protection of nature and fight against pollution represents an honorary duty, a condition that must be fulfilled by any company, whose intention is to stay in business for a long time.

Our success is determined by the tradition in the concern to continuously improve the environment conditions and to ensure a healthy climate, safety and life quality at the level of the expectations.

We set up a development policy of the main production sectors, in the same time, having in view the technological endowment, capable to comply with the program concerning the environmental protection.

PEOPLE, THE HEART OF ANY BUSINESS

The people represent the heart of any part of a business. The creativity, the innovation spirit, the energy and their motivations are the forces that lead to success. Therefore, we try to provide all the necessary conditions for the development of all their professional competences, and the continuous professional training is an important element of this strategy. The promotions and rewards for the employees are carried out with the help of a system that is based on merit.

Field of Activity: manufacturing and repairing of oilfield equipment.



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Products & Services:

- **High Pressure Valves**, manufactured according to API 6A, PSL 1, 2, 3 and 4 for normal and corrosive fluids, DN 50 (2 1/16") ... DN 200 (7 1/16"), PN 14 MPa (2000 PSI) PN 105 MPa (15000 PSI)
- **X-mas Tree Assemblies and Wellhead Assemblies**, manufactured according to API 6A



- **Various Special Design Valves** made of steel, manufactured according to API 6D and CE Certificates





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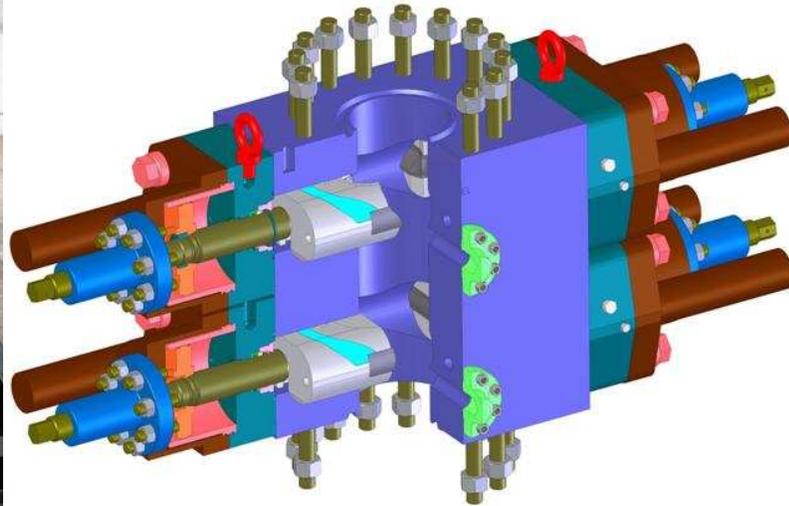
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**- BOP Systems (Annular BOP, Ram BOP, Kill and Choke Manifolds) 7 1/16" ... 13 5/8",
(3000 ... 10000) PSI**



- Drilling and workover equipment, triplex mud pumps and spare parts for: mud pumps, drawworks, traveling hook blocks, rotary tables, swivels, shale shakers
- Equipments for Casing and Wells Cementing (centralizers, manufactured according to API 10D, shoes, nipples)
- Technical Inspection for the products that we have certification.
- Repairs and on-site service for the delivered products.

For all our products we provide 18 months, from delivery warranty and supply of spare parts for minimum 5 years from delivery time.



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The main customers:

- AMERICA area: SUA, Canada, Mexico, Venezuela, Columbia, Trinidad Tobago, Brasilia, Argentina / Array Products, Omni Valve, V.A.-Tools, Wood Group Amesa, Petrobras, Ial Engineering Services, Cactus Flow.

- EUROPA area: United Kingdom, Holland, France, Germany, Poland, Serbia, Turkey, Romania / Sterling Resources Ltd., ABB, PeseCo (National Oilwell Varco (N.O.V.), Regal Petroleum PLC and CSS), Tullow Oil, Eurotech, TPAO, Premaberg, Robke Erdol, Hadi Industry Engineering, Deep Drill, Liberty Drilling Equipment, NIS a.d., Cameron, OMV-Petrom, Romgaz, Rompetrol, Petrofac Solutions&Facilities Support, PetroSantander, Automobile Dacia, Petrotel Lukoil.

- CSI area: Russian Federation, Kazakhstan, Turkmenistan, Azerbaijan, Moldova / Turkmengaz, Turkmennefti, Turkmengeologia, Burren Resources Petroleum Ltd, ASCOM Group.

- MIDDLE EAST and AFRICA area: Syria, Jordan, Egypt, Iraq, Saudi Arabia, Yemen, Oman, E.A.U., Qatar, Kuwait, Libya, Algeria, Morocco, Tunisia, Nigeria / Site Group, PPI Group, Setegi Thermax Systems, PeseCo (Taq Taq Operating Company - TTPCO, Thani Emirates Petroleum Corporation - Al Thani Petroleum, Afren Energy, Sonangol Iraq, ShaMaran Petroleum and ADCI), Tatneft - Libyan branch.

- ASIA and AUSTRALIA area: India, China, Vietnam, Bangladesh, Pakistan, Myanmar, Thailand, Malaysia, Indonesia, Australia, Singapore / PT IFP, Pertamina, Caltex, Aker, Petronas, WGPC, Oilfield Piping Systems.

For other details please visit our web address: www.uztel.ro.