



INTERNATIONAL EXHIBITION «WELDEX / ROSSVARKA-2010»

The 10th Jubilee International Exhibition «Weldex / Rossvarka-2010» was held from 12 to 15 October in Moscow at EC «Sokolniki». The Exhibition was arranged by Closed Joint Stock Company «International Exhibition Company» and Company «Elsvar» with an assistance of the Ministry of Industry and Commerce of the Russian Federation, Government of the Moscow Region, Moscow Inter-Industry Association of Chief Welders, and Russian Scientific-and-Technical Welding Society.

The welcome addresses to numerous guests and participants at the ceremony of opening of the Exhibition were made by V.I. Lavrukhin, Head of the Department of the Moscow Chamber of Industry and Commerce; A.N. Krutov, Moscow City Duma Deputy; V.A. Kazakov, First Vice-President of the Russian Scientific-and-Technical Welding Society, Director of the «Tekhnologiya Mashinostroeniya» (Machine Building Technology) Publishing House, and Editor-in-Chief of the «Svarochnoe Proizvodstvo» (Welding Production) Journal; O.I. Steklov, President of the Russian Scientific-and-Technical Welding Society; V.N. Butov, President of the Moscow Inter-Industry

Association of Chief Welders; and Yu.K. Podkopaev, Director General of the «Elsvar» Company.

«Rossvarka» is the central specialised exhibition of Russia. Therefore, despite the crisis processes in the economy, it reflects the main trends in the welding industry: active search for and advancement of new technologies and equipment providing the high efficiency and competitiveness of production, and technological and environmental safety of structures. Traditionally, the key mission of the Exhibition is to render the maximum possible assistance in promotion of new technologies, materials and advanced developments in the economic space of Russia.

183 enterprises from Russia, as well as from 15 former Soviet Union and foreign countries (Germany, Finland, Sweden, Italy, Ukraine, China, USA, Austria, Turkey, France, Mexico, etc.) took part in the jubilee Exhibition. Exposition of Russian enterprises was most representative at the Exhibition (143 booths). Among them were such famous manufacturers of welding equipment as Closed Joint Stock Company «ITS» (St.-Petersburg), State Ryazan Instrument Plant (Ryazan), Production-Commercial Enter-





prise «Plazer» (Rostov-on-Don), Closed Joint Stock Company «PKTBA» (Penza), Factory for Special Equipment «Tekhnotron» (Cheboksary), Limited Liability Company «Avtogenmash» (Tver), Open Joint Stock Company «Progress NITI» (Izhevsk), as well as manufacturers of welding consumables — Limited Liability Company «Severstal-Metiz» (Oryol), Limited Liability Company «Mezhgosmetiz» (Mstensk), Closed Joint Stock Company «Factory for Welding Consumables» (Berezovsky), Open Joint Stock Company «Losinoostrovsky Electrode Factory» (Moscow), and Limited Liability Company «Sudislavsky Factory for Welding Consumables» (Chelyabinsk).

Ukraine at the Exhibition was represented by the booth of the E.O. Paton Electric Welding Institute, Kramatorsk Enterprise «Donmet», Limited Liability Company «Arksel» (Donetsk), Limited Liability Company «Navkotech» (Kiev), and journals «Avtomaticheskaya Svarka» (Automatic Welding), «Svarshchik» (Welder) and «Oborudovanie i Instrument dlya Professionalov» (Equipment and Tools for Professionals).

The leading companies brands well-known in the world of welding were represented by their divisions in Russia — Limited Liability Company «ESAB» (Sweden), Limited Liability Company «Sabaros» (Switzerland), Limited Liability Company «Kempi» (Finland), Enterprise «Polysoude S.A.S.» and Limited Liability Company «Air Liquide Welding» (Switzerland), «The Lincoln Electric Company» (USA), Joint Stock Company «IGM Robotersysteme AG»,



Limited Liability Company «Buehler Welding», «Global Welding Technology» (Austria), GmbH Lorch Schweisstechnik, GmbH Deloro Stellite (Germany), S.P.A. «Sebora» and «MIPAITALY» (Italy).

Also, a number of leading research, engineering-technologic and engineering centres of Russia, such as the Alliance of Welders of St.-Petersburg and North-West Region (St.-Petersburg), NITI «Progress» (Izhevsk), Open Joint Stock Company «Engineering and Technological Centre «Prometey» (Chekhov), and Moscow Inter-Industry Association of Chief Welders, demonstrated their expositions at the Exhibition.

Welding equipment for different methods of electric arc welding of metals constituted, as a rule, the main volume of the exhibits. The previous trends still persist in development of inverter circuits with microprocessor program synergic control, providing such functions as the hot start, antistick, arc force, substantial saving of power, lower requirements to the skill of welders in ensuring the required welding quality, and insensitivity to mains voltage fluctuations (which is particularly important for welding in building).

Transition in equipment circuits to the totally digital inverter pulse technology provides reproducibility of the welding results with practically absolute absence of molten metal spatters.

In general, the exhibits demonstrated at the Exhibition were in line with the state-of-the-art in welding equipment and equipment for thermal cutting methods (gas, plasma, etc.), and attracted high interest among the specialists who visited the Exhibition.

The majority of specialised exhibitions held in Moscow, St.-Petersburg and Kiev are characterised by the fact that the prevailing quantity of booths demonstrate activities and ranges of goods and services represented by the trading companies. Among them were «Company Avan, Ltd.», «Weber Comechanics, Ltd.», Limited Liability Company «Aleks» (Moscow), Limited Liability Company «Trading House «Argos» (Nizhny Novgorod), Industrial Group «Dyukon» (St.-Petersburg) and many others.

The Scientific and Practical Conference «Innovations in the World of Welding» took place within the framework of the Exhibition. The Conference was dedicated to the 80th anniversary of the «Svarochnoe Proizvodstvo» Journal. The Conference was attended by the leading specialists from a number of major enterprises — members of the Federal Agency on Atomic Energy, structures of Gazprom and Transneft, enterprises of the military-industrial complex, aircraft and space engineering, universities, etc. The focus of the Conference was on the topical problems of improvement and development of welding consumables, equipment for arc and electron beam welding, certification and training of staff.

Traditionally, the Exhibition included competitions «Best Welder of Russia-2010» and «Best Weld-

ing Engineer (Scientist) of Russia-2010». The competitions were held in three nominations: manual arc welding, TIG welding, and semiautomatic MIG/MAG welding. In all cases it was necessary to weld the most difficult welds for the above welding processes — position butt welds on pipes with a diameter of 149 mm and wall thickness of 4.5 mm.

During the competitions, all participants and audience could get acquainted with the latest products of leading welding equipment manufacturers, assess their advantages and technological capabilities. But the most important point in the competitions was the skill of the welders admired by the audience.

28 enterprises from Khabarovsk, Moscow, Obninsk, Khimki, Zelenograd, Voronezh, Podolsk, Vladimir, Ivanovo, Novosibirsk and Tyumen took part in the competitions.

P.V. Fetisov (Moscow State Unitary Enterprise «Mosvodokanal») became a winner in nomination «Manual Covered-Electrode Arc Welding». The first place in nomination «TIG welding» was taken by D.N. Balelov (Open Joint Stock Company «Vladimir Production Association «Tochmash»). A.V. Bursevich (Closed Joint Stock Company «Mosflowline») became a winner in nomination «Mechanised Gas-Shielded Welding». The winner in nomination «Best Welding Engineer (Scientist)» was A.V. Shcherbakov, a leading engineer of the Metals Technology Chair of the Moscow Energy Institute, for the development of «Control System for Precision Electron Beam Welding Process». The winners received the excellent prizes — welding devices provided by ESAB (Sweden) and Kemppi (Finland), as well as Russian Company «INSVARKOM-SVAROG» (St.-Petersburg).

Also very impressive was the «Miss Welding of Russia-2010» contest. The girls competed in quality of manual artistic plasma cutting and argon-arc welding, participated in quiz on the history of welding, defiled in special clothes and demonstrated products of the Exhibition participants, recited poetry and sang songs. The winner was Regina Nuritdinova, staff member of the «Orient-Pro» Company and, at the same time, student of the Russian State Technological University «MATI». The handwork crown for the «Miss Welding of Russia-2010» made from steel by a blacksmith-artist from the artistic association of the Factory of Pieces of Art «OST» by using forging and welding



can be considered by right a true work of art. The winner was also awarded a valuable prize — home theatre, which was provided by the «Elsvar» Company, a sponsor of the contest. Gifts to all participants of the contest were presented by the «Donmet» Company (all the girls were presented with copper roses made very skillfully by welding), Factory «Elektrostal», ESAB and Kemppi.

The Exhibition was visited by over 4000 specialists, among which were officials, managers, chief welders and experts of enterprises from different industries, heads and managers of trade companies and trade offices from all regions of Russia and CIS, as well as mass media representatives.

The Scientific and Practical Conference «Innovations in the World of Welding» dedicated to the 80th anniversary of the «Svarochnoe Proizvodstvo» Journal was held during the Exhibition. The Conference was opened by Dr. V.A. Kazakov, Editor-in-Chief of the Journal. He gave a brief retrospective review of development of the Journal, its milestones during 80 years of its existence, and its enormous contribution to improvement of the welding production in the USSR, and then in Russia. Presentations at the Conference were made by Dr. O.I. Steklov, President of the Russian Scientific-and-Technical Welding Society, Dr. V.A. Frolov, Head of the Welding Chair at MATI, Dr. Z.A. Sidlin, Deputy Director of the Limited Liability Company «Tekhprom», A. Zabiroy, representative of the Welding Institute in Aachen (Germany), etc.

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