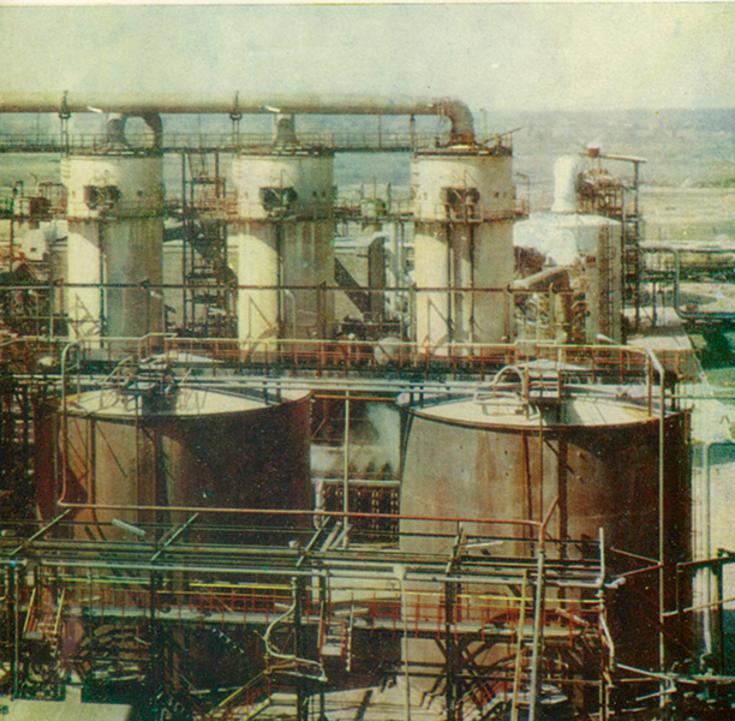


POLISH TECHNICAL REVIEW



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Electrotechnics in the railway industry

The achievements of the plants producing railway rolling stock in Poland are well known to our readers (see no 3/1979). However, there can be no modern locomotives or wagons without electrotechnical subunits of the highest standard. Cooperation between factories and research institutions has resulted in numerous designs of electrical machines and equipment which are manufactured by two factories: "Dolmel" in Wrocław and "Elta" in Łódź. The articles on p. 2–7 present a number of interesting electrotechnical products made for the railway industry.

Chemical industry

Interesting examples of the achievements of the Polish chemical industry are: the design of one of the largest plants of mineral fertilizers in Europe (designed by the Polish Technical Design Office "Biprokwas") together with the production achievements of this factory: the design and realization of complex automation in the Soda Works at Janikowo on the basis of Polish know-how and Polish-made equipment, calorimetrically controlled proportioning of oxidisers for the neutralisation of cyanides occurring in the effluents of galvanising plants, a new production process of unsaturated constructional polyester plastics with due consideration of the modification of resins depending on their use. Page 12.

Equipment for the thermal systems of a sugar factory

The known supplier of complete sugar plants, the Polish Associated Industries of Chemical Plant Equipment "Chemak" and the factories subordinated to it have to be very efficient in designing and building such projects. This purpose may be achieved, among other things, through a typification of equipment with due consideration of the requirements of technical progress. An article on p. 19 presents examples of such typical apparatus for the thermal systems of sugar factories together with extensive tables.

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