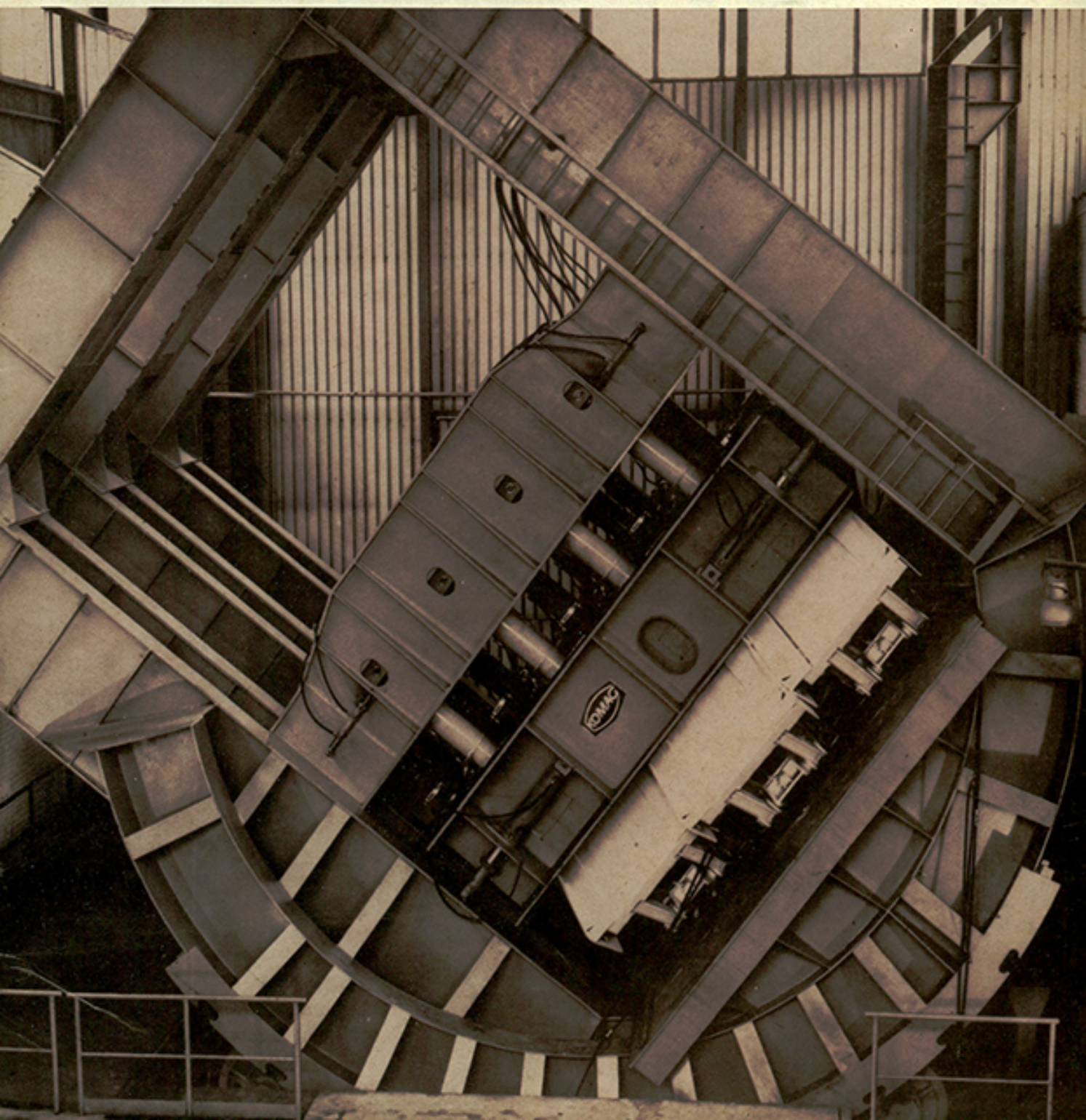
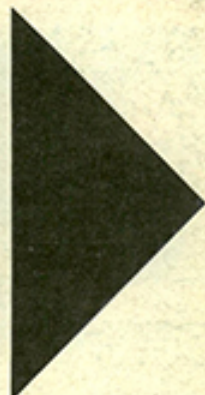




# POLISH TECHNICAL REVIEW





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**SIGMA**

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### Small innovative and project implementation enterprises

The economic reform in Poland creates possibilities for far-flung initiatives and competitiveness, and for doing away with routine habits and ways of thinking as well as for accelerating technical, organisational and economic progress. The law passed by the Polish parliament on July 16, 1987 grants a number of tax reductions, privileges and preferences to enterprises whose activity is aimed at a practical implementation of scientific, technical and organisational achievements. For details see p. 2

### Carbon fibres manufacturing technology

The genuine technology of producing carbon fibres used in composite materials developed by the Academy of Mining and Metallurgy in Cracow is competitive to many methods known in the world. Its main advantage is the short time required for processing PAN fibres into carbon fibres. This makes possible a miniaturization of equipment necessary for conducting the manufacturing process as well as a reduction of energy consumption. See article on p. 9

### Contribution of science and technology to agriculture and food production

An exhibition organised in Warsaw on the occasion of the 10th Congress of the United Peasant Party presented new technical and organisational solutions constituting a practical contribution to the process of modernizing Poland's agricultural and food production sectors. The article on p. 15 discusses some of the many articles shown at this exhibition.

### A universal generator of publications and programmes

A number of mostly small and private enterprises producing microcomputer systems and developing software have been established in Poland in the last few years. The International Computer '88 Exhibition held in Warsaw last March was a good review of our achievements in this line. One of the products which was awarded a distinction at this exhibition was a universal generator of publications and programmes. See p. 18

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First cover photo: A stand for testing the Kinematics of mechanized linings (photo Lesław Zajęc). Back cover: Coal processing plant at the hard coal mine "Lenin" (left side, top), and "Powstańców Śląskich" (right side, bottom).

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