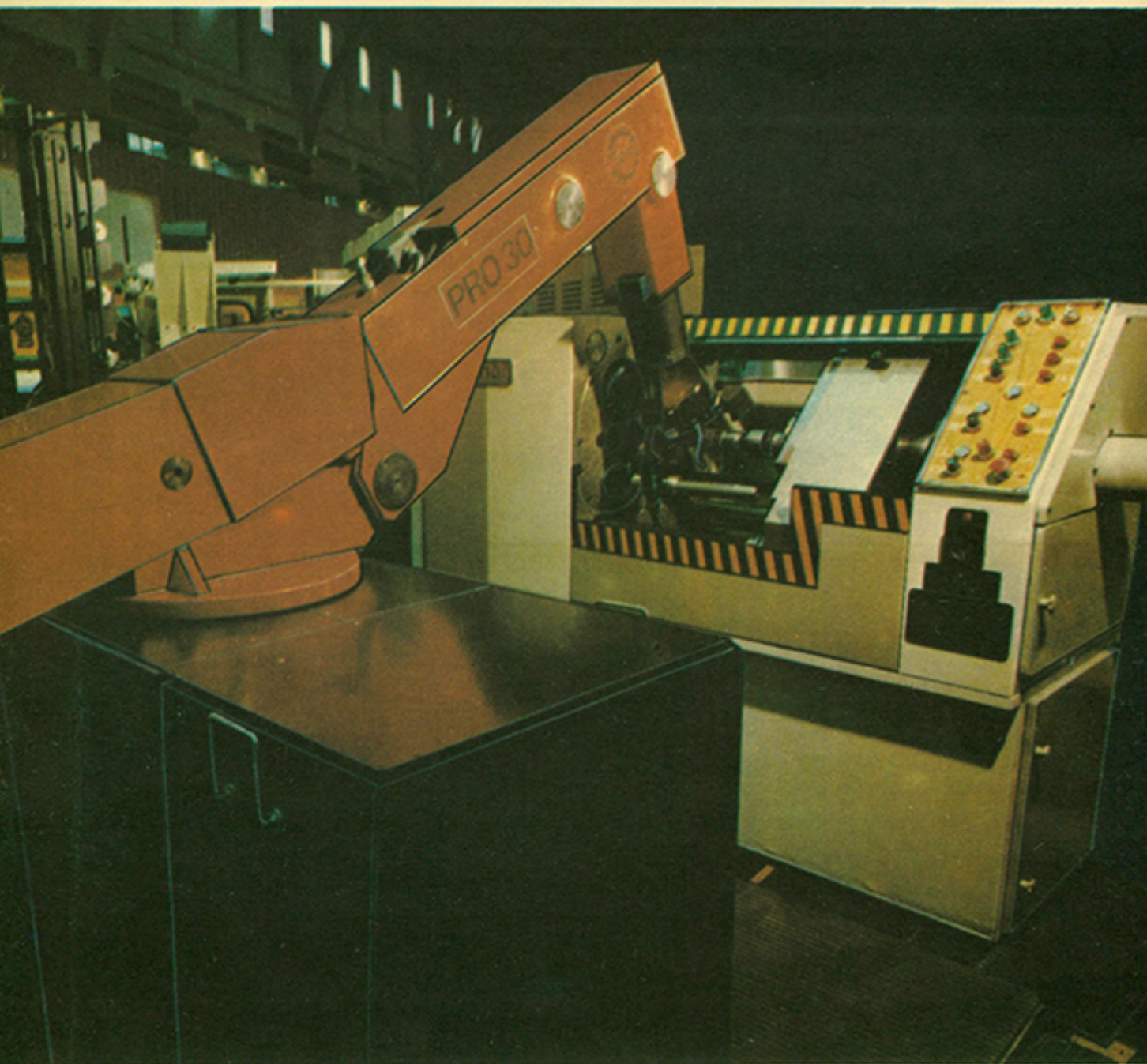




POLISH TECHNICAL REVIEW





SIGMA

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Control-measurement apparatus

Several articles present very interesting achievements in the line of measurements and control in industry. We wish to draw special attention to the equipment used for the measurement and control of heat treatment processes, developed at the Institute of Fine Mechanics (p. 2) and to the line thermoanalyzer constructed by specialists from the Institute of Optoelectronics of the Military Technical Academy. The last named equipment is used for remote-contactless testing and measurement of surface temperature distribution (p. 6).

Metallurgy

The Institute of Non-ferrous Metals in Gliwice is conducting very interesting studies on brass alloys used for the production of electric current conducting flexible elements. These studies have led e.g. to the development of a new „K” brass having very good properties and much cheaper than the bronzes used so far (p. 18). In recent years ever more frequent use has been made in production of fluidized-bedsmelting. This method was used in Poland for the first time for one-stage obtaining of copper directly in a fluidizedbed oven. See article on p. 20

Short technological news

We are continuing to publish in our magazine the TECHNOLOGICAL NEWS previously issued under separate cover. The new issue includes a number of interesting brief news in the line of chemistry, building materials, mining, metals treatment, control-measuring equipment as well as concise list of the proposal offers of timber and furniture industry enterprises which wish to cooperate with foreign firms.

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Cover photo: Industrial robot PRO 30 made by the Research-Construction Centre for Machine Tools at Pruszków. The robot cooperates with a WPM-120 rolling mill. Photo on cover p. IV: The Polish motoring industry manufactures not only motorcars but also complete service stations with lifting and diagnostic equipment. The photo shows a section of a standard motorcar service station.

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