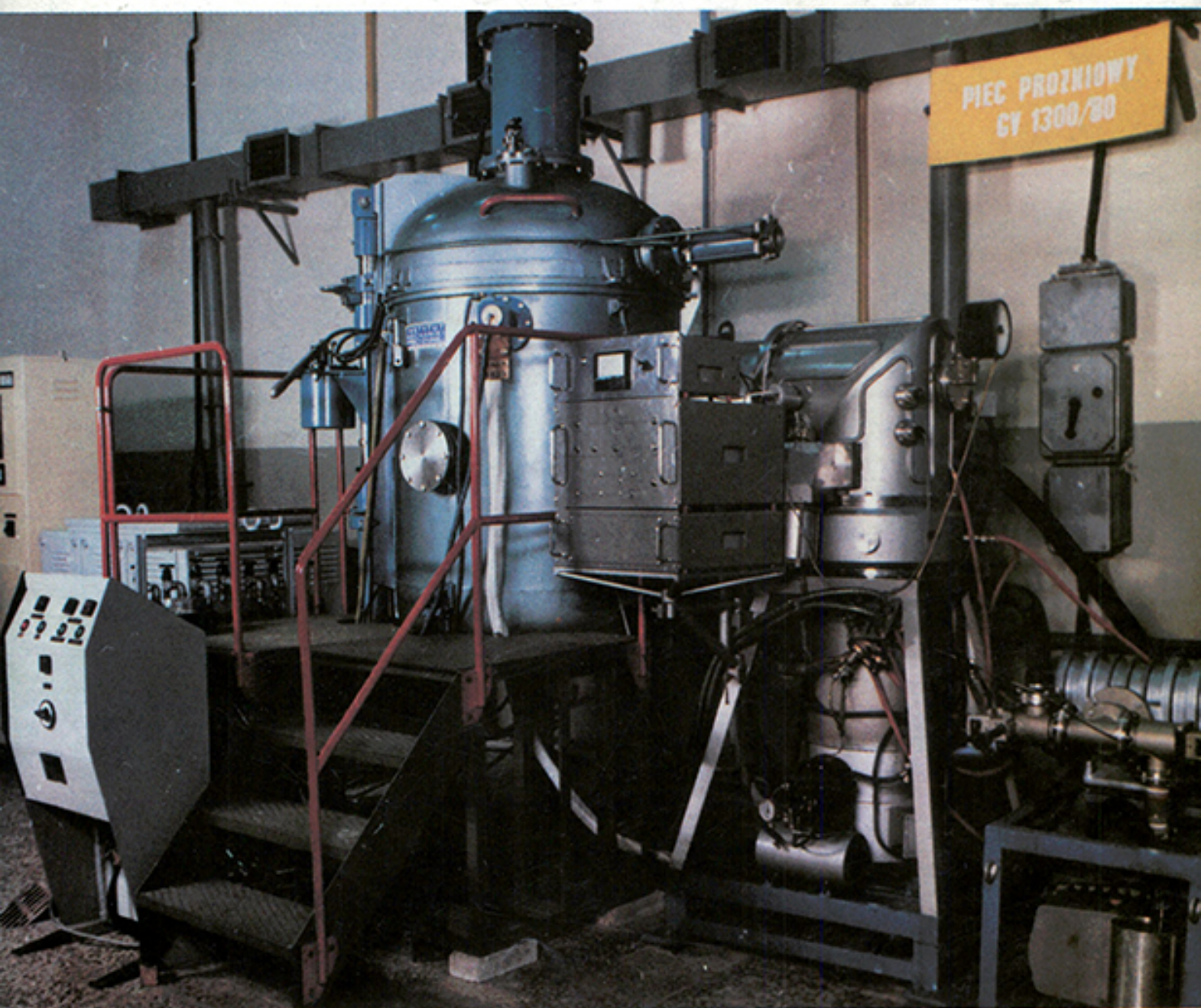




POLISH TECHNICAL REVIEW





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A micro-column liquid chromatograph

Micro-column liquid chromatography makes possible the separation of substances when the amount of samples is very limited. Other advantages of this technique include a very high accuracy of analysis and a very small consumption of solvents. The micro-column liquid chromatograph developed by the Institute of Physical Chemistry of the Polish Academy of Sciences, Warsaw fully confirms the advantages of using this chromatographic method. For details see p. 2.

Pyro-graphite

Pyro-graphite is a refined form of elemental coal which exhibits a number of most interesting properties and finds a wide application in many branches of technology. A number of technologies of manufacturing that material have been developed at the Institute of Nuclear Chemistry and Engineering, Warsaw. Pyro-graphite comes in the form of plates with a highly ordered structure to be used for neutron filters and monochromators, and as a material for biomedical applications (especially for making up for bone deficiencies). For further details see p. 10.

New developments at the Institute of Precision Mechanics

The Institute of Precision Mechanics, Warsaw, is one of Poland's outstanding research and development establishments. Its workers have developed, among other things, a dozen or so new grades of steel and cast iron, a few score types of protective coatings and temporary (corrosion) protection agents, more than 1,000 new technologies. More than 400 of Institute-developed inventions are protected by suitable patents and utility patterns. Further information about the latest achievements of the Institute is to be found on p. 13.

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Front cover photo: GV1300/80 vacuum furnace for the thermal treatment of metals as well as for the soldering and sintering of metal materials developed by the Institute of Precision Mechanics in Warsaw

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