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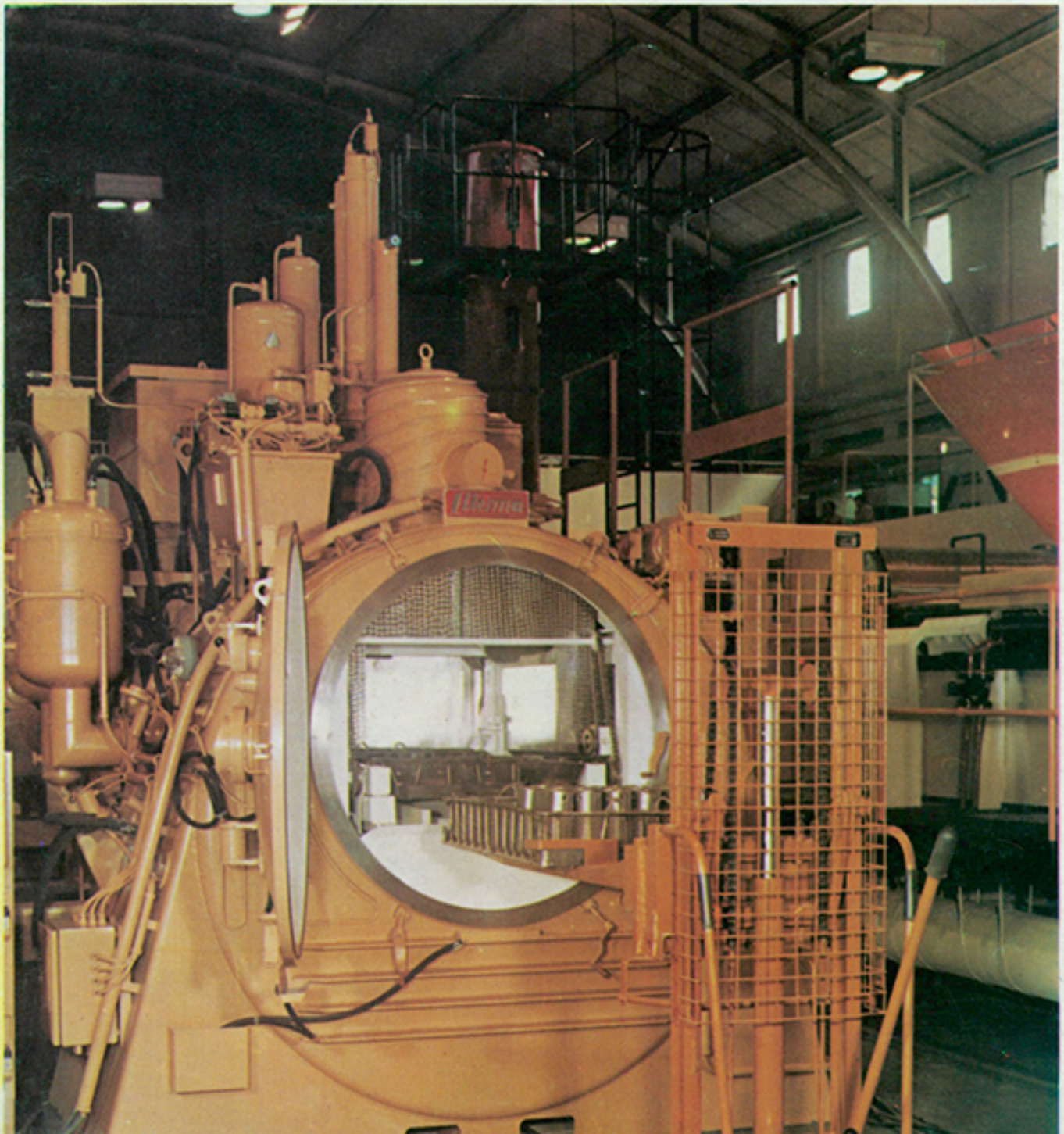
POLISH TECHNICAL REVIEW



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Manufacture of forging die impression by the hot working method

The hot working method (at elevated temperatures) of die impressions by their shaping in a tool of special design, using screw presses or hammers, a novel development of the Small Cars Factory at Bielsko-Biała, features a low consumption of materials and labour compared to the technologies known in this field. At the same time, a good quality and increased durability of the product are guaranteed. Details in article on page 6.

Multi-conduit chimney at the Bełchatów power station

The article discusses the design of a 300 m high chimney equipped with six steel ducts for combustion gases, 6.5 m dia, placed in an iron concrete coating. The chimney will service six power units, 360 MW each. It features a number of technical and economic advantages both during assembly and exploitation. For details see p. 9.

Permanent modification of silumins

The mechanical properties of silumin castings mostly depend on the size and shape of silicon crystals controlled by alloy modification processes. The new methods of so-called durable modification based on the use of atrontium or antimony and developed by Warsaw Technical University, contribute to technological improvements and guarantee the obtention of stable mechanical properties free of the various limitations proper to other methods. Details on p. 25.

Cover photo: A furnace for heat treatment made by ELTERMA at Świebodzin
Photos in the issue: J. Zalewski „Foto-Service" WHZ
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