



POLISH TECHNICAL REVIEW





SIGMA

PUBLISHERS OF TECHNICAL PERIODICALS AND BOOKS SIGMA-NOT CO. LTD.
ul. Biala 4, 00-950 Warsaw, P.O. B. 1004. Tel: 31 93 65. Tlx 814877 WCT WA PL. Telefax: 20 31 16. Issued in English

CONTENTS

COAL MINING

Powered shield supports and gob-type supports for the mining industry	2
Design and modernization of hard coal mines and solution of problems connected with coal extraction	8
Coal planer/cleaver	10
Equipment for fixing of adhesive anchors	11

MACHINE CONSTRUCTION

New injection moulding machines from PONAR-ZYWIEC	12
Safe burners	17
A furnace for the pyrolysis of used tyres and paints	17

MATERIALS ENGINEERING

HUTA BAILDON — Poland's largest manufacturer of stainless steels	18
Electromagnetic radiation attenuating screens	21

BRIEF NEWS 17, 20, 21, 22, 23, 24

PRESS SERVICE I-VIII

Powered shield supports and gob-type supports for the mining industry

The extensive article on p. 2 presents the newest achievements of the largest Polish manufacturer of technical equipment for hard coal mines — the GLINIK Drilling and Mining Machines Factory, Gorlice. The long-standing experience and excellent production facilities make possible the manufacture of a wide range of products adapted to the various requirements of the Factory's customers. The article discusses shield supports designed for work in difficult mining and geological conditions.

New injection machines from PONAR-ZYWIEC

The PONAR-ZYWIEC Injection Moulding Machines Factory, Zywiec is a renowned manufacturer of injection moulding machines designed for the processing of plastics. Many years ago, the Factory purchased from a leading Western firm design and technological documentation for the production of modern injection moulding machines which helped to introduce many new design solutions to the products made by PONAR-ZYWIEC. The article on p. 12 discusses the latest achievements of the Factory.

HUTA BAILDON — Poland's largest manufacturer of stainless steels

HUTA BAILDON whose roots reach back to the year 1823 is at present Poland's largest manufacturer of corrosion-resistant steels. The Factory's present production programme covers all types of corrosion-resistant steels. The quality standard of those steels is considered to be equal to that of steels made by leading steel mills in Europe. A large part of the products and semis manufactured at HUTA BAILDON is exported to Western countries. They fully meet the requirements of foreign standards. For details see p. 18

Editor in chief: Andrzej Witkowski
English editor: Ewa Karska
Production manager: Alicja Dziewulska-Kijas
Editorial secretary: Maria Bartochowska
Proofreader: Danuta Niedbalska

Subscription orders should be sent to our editorial office SIGMA-NOT.
The price of one copy is 4. — US dollars. Our bank accounts are as follows:
PBK III O/W-wa 370015-1573-139-11
Wydawnictwo Czasopism i Książek Technicznych SIGMA-NOT Spółka z o.o.
or BRE S.A. O/W-wa, Al. Jerozolimskie 44, No 400002-9944-139-171.

Front cover photo: Mining supports made by Drilling and Mining Machines Factory GLINIK

Offset composition: "Fotoskład" Warsaw, Niecała 4a
Printing: SIGMA-NOT Publishers, Warsaw
Index No 36915