

POLISH TECHNICAL REVIEW

Laser control system for ground machines



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4 190/1990



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

CONTENTS MACHINE BUILDING Truck-mounted jib cranes 5 A liquefied gas storage tank and a gasification station 8 A device for the processing of post-hatching wastes to get feed meal . . CONTROL AND MEASURING EQUIPMENT FARMING MACHINERY A desilter for cleaning land betterment ditches . . . 17 PROTECTION OF THE ENVIRONMENT Technology of waste gases desulphurization 19 PATENTS A flow through aerater 20 A device for the continuous manufacture of electro-Equipment for the immersion soldering of PCBs . . . 21 Prizes of the State Office for Scientific and Technolo-BRIEF NEWS 26 and back cover

A materials handler

The HD-58 materials handlers manufactured at the HUTA STALOWA WOLA Industrial Complex combine the qualities of a fork-lift truck and a small crane. These handlers are the first such machines to be manufactured in the countries of Eastern Europe and they can be used everywhere where it is necessary to displace loads in vertical and horizontal planes. It is planned to produce a series of types of those machines with different lifting capacities and designed for use in different branches of economy. Details on p. 2

An ultrasonic stress intensity meter

The internal stresses occurring on metal structures are a frequent cause of dangerous breakdowns and losses. The ultrasonic stress intensity meter DEBRO-30 developed at the Institute of Fundamental Problems of Technology, Polish Academy of Science makes possible a non-destructive, very rapid and accurate determination of these stresses. This meter can be used in both laboratory and field conditions.

Its design is unique on a world scale. See article on p. 13

The BIZON BS Z110 combine harvester

The BIZON BS Z110 is the newest grain harvesting combine implemented in production in the Harvesting Machines Factory, Plock. The design solutions make it possible to attain high throughputs and to reduce grain losses. See p. 15

Prizes of the State Office for Scientific and Technological Development

The article on p. 22 presents 10 of the works which were awarded prizes. A majority of these works is distinguished by unique solutions being a significant contribution to the development of world science and technology.

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Subscription orders should be sent to our editorial office SIGMA-NOT. The price of one copy is 4.- US dollars.

Photo offset "Fotoskład" Warsaw, Niecała 4a. Printing: SIGMA-NOT Publishers, Warsaw Index no 36915