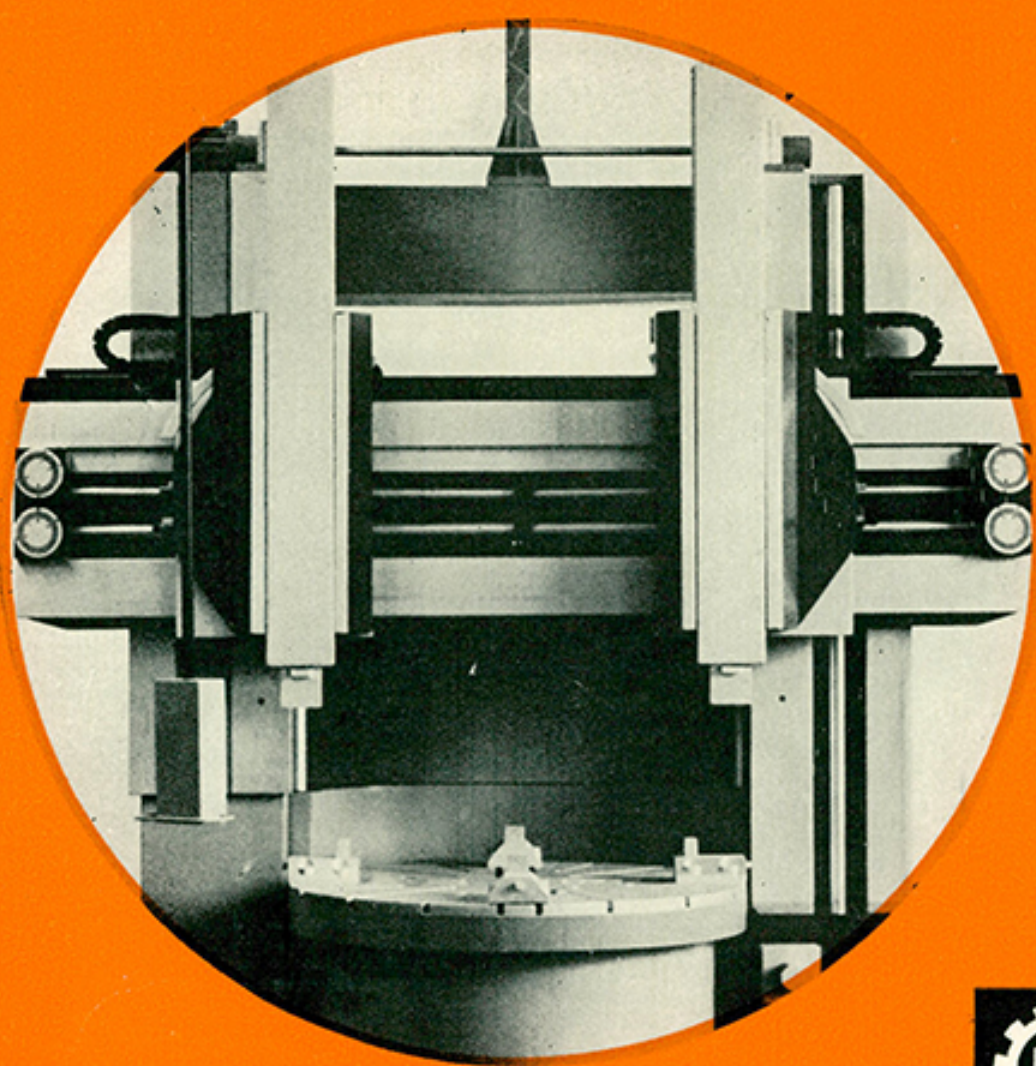


NK-6

P34.338

1
1972

POLISH TECHNICAL REVIEW



P.34.338 11099

POLISH TECHNICAL REVIEW

Bimonthly No. 1/47/1972

PUBLISHERS OF TECHNICAL PERIODICALS FOR THE CENTRAL TECHNICAL ORGANIZATION

Warszawa, Czackiego 3/5
tel. 27-65-99

Issued in English, French, German and Russian

Editorial Board:

J. Czarnski, Z. Cibor, L. Drecki, J. Dylewski, J. Dziubiński, R. Farfal, S. Gawlik, A. Górecki, S. Grużewski, M. Grzymek, B. Jankowski, T. Książek, F. Kubiczek, L. Lachowski, M. Paluch, T. Wąsak, R. Zabłocki

Editorial staff: *S. Hilscher, Z. Schellenberg, J.L. Toeplitz (Assistant Editor), T. Topolnicki (Chief Editor)*.

Art Editor: *F. Barącz*

Responsible for advertisements: *T. Pachnowski*

English Editor: *H. Stepien*

Collaborators: *P. Dytko, J. Luczaj, S. Poklewski.*

LIBRARY
BIN
WARSAWA
P.34.338 11099

Contents

	Editorial	1
	Economic Survey	2
MACHINE TOOLS	Ireneusz Piotrowski, MScEng. Two-spindle bearing ring chucking automatics	4
	Michał Rudzki, MScEng. Type KOB 125 wheel turning and boring mill	8
	Dr Kazimierz Hapek, Assistant Professor Hydrostatic bearings in machine tool building	10
	Stefan Solik, MA Ergonomics in machine tool design	13
MEASURING AND TESTING EQUIPMENT	Novel developments from the establishments of the Polish Academy of Science	16
	Novelties in bionics apparatus	16
	The UNIPAN Ultrasonic Viscometer, type 504A	18
	A transmittance analyzer	19
FARM MACHINES	Władysław Greniuk, MScEng. Bizon Z040 and Bizon Super Z050 combine harvesters	20
	Antoni Kolakowski, MScEng. Unified disc harrows	22
	Soil cultivation implements	24
METALLURGY	Józef Sobkowiak Small section mill plant for Syria	25
	Training schedule for the personnel of a Syrian small section mill plant	27
	Zbigniew Pufal, BScEng., Michał Majcherek, BScEng. Plasma equipment for metal cutting	28
	Jerzy Carlson, MScEng. Polish zinc industry develops co-operation with foreign countries	29
MISCELLANEA	Jerzy Krauze, BScEng. Type TUN thyristor control drive units	33
	Edward Janas, BScEng. End-jointing production line	36
	Henryk Chwalibóg, MScEng. Elementary sulphur contra pyrites	38
	Karol Muras, BScEng. An automatic mixing line from BEFAMA	41
	The LKI mine loader	44
	NEW BOOKS	46, 47
	PATENTS	46
	NEWS IN BRIEF	8, 12, 18, 43
	Edward Filiczkowski, MScEng. Manually-operated special-duty control switches	48

1972 es 1099/2