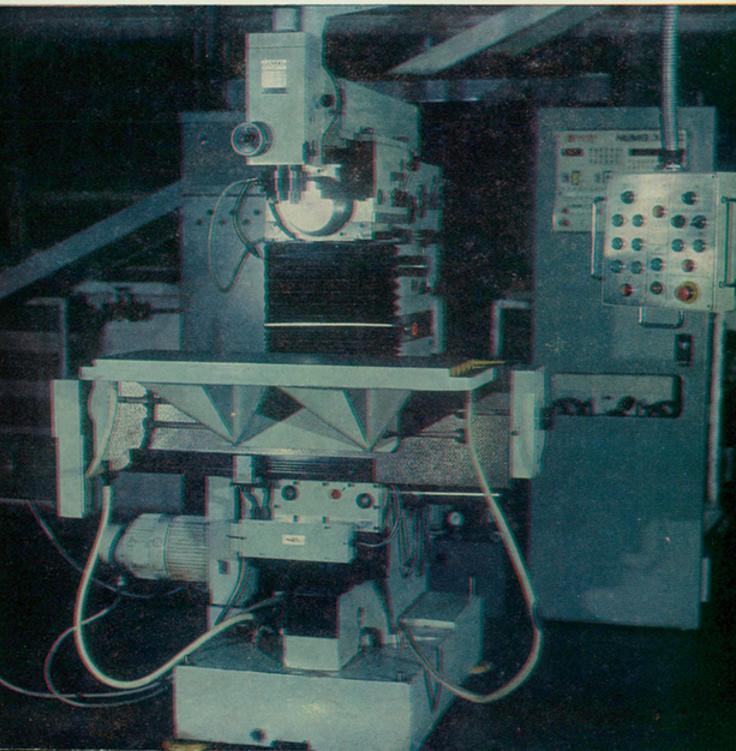
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POLISH TECHNICAL REVIEW



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Machine tools

This section deals with both machines and equipment. Noteworthy is the FND 32N numerically controlled toolroom milling machine adapted to precision machining of complicated die and punch shapes, etc. and the SPA-25Ax63 surface grinding machine for rough and finish grinding in an automatic cycle. Other interesting design solutions include automatic sizing equipment for a tap production line and the mechanical calibrators METROTEST (p. 2 and following pages.)

Medical equipment

Equipment for the control of lung ventilation and for hemodialysis (used in the treatment of kidney diseases) is the subject of two articles on p. 9 and 8. The first type of equipment is a set for the control of respirators comprizing a thermomanometer and a volume indicator, both based on integrated circuits. The second apparatus is an installation for automatic extrasomatic dialysis, equipped, among other things, with a unit for the preparation of the dialysis fluid, a hemodialysis control display unit, a dialyser and a pump.

The springing of a railway bogie by means of coupled torsion bars

Three scientists from Poznań are presenting an original Polish solution of the springing of a railway bogie. As compared with other designs, the new (and tested) solution has many advantages related to production (substantial savings of material) and to the operation of rail vehicles (it ensures good anti-roll bar characteristics and the attainment of considerable spring cambers at relatively small elastic strains of the torsion bar, allows for an adjustment of the springing characteristic, etc.) (p. 10).

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