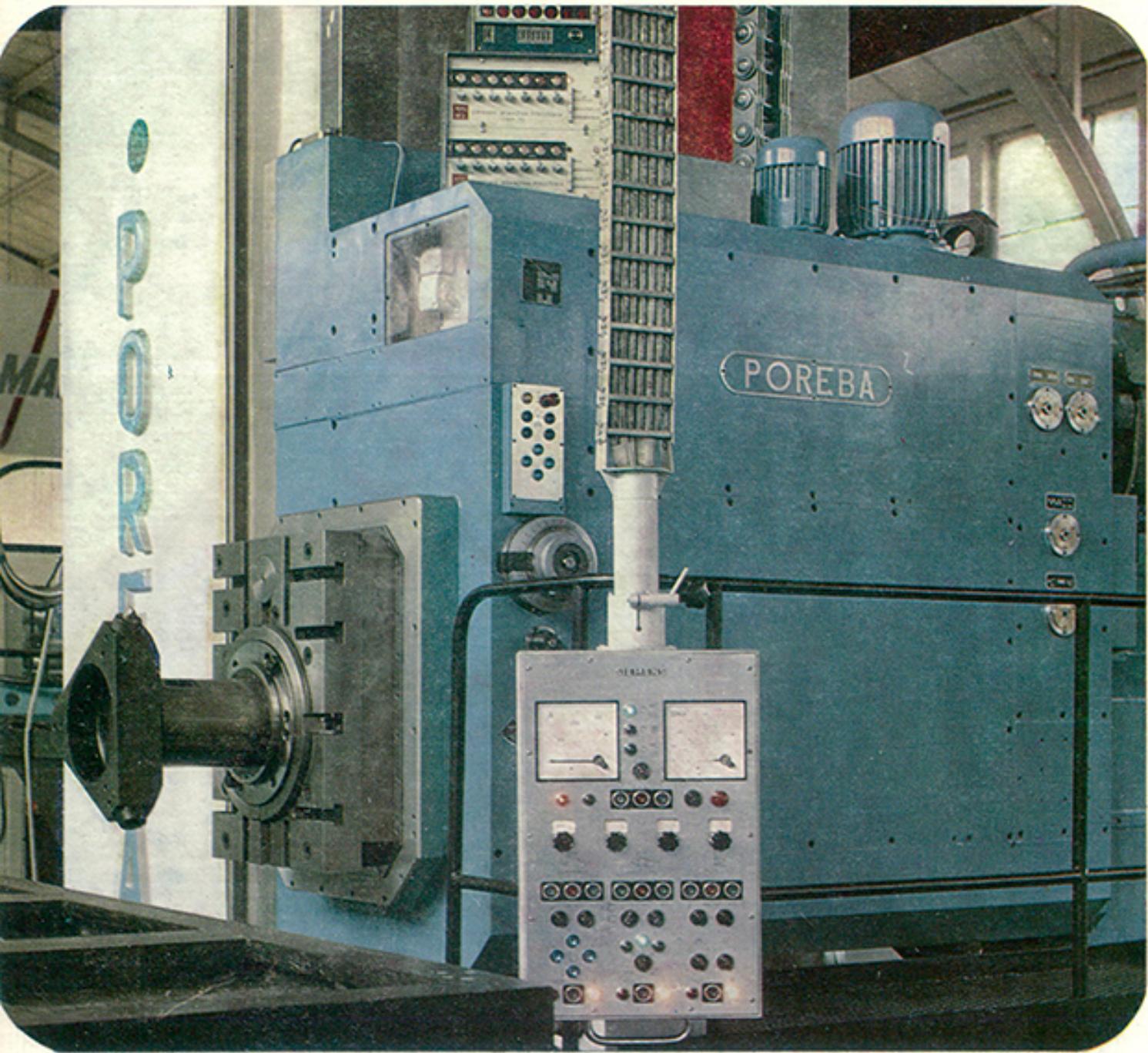


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# POLISH TECHNICAL REVIEW





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## 621.9.06.

**SZUMILAS E.: Components and subassemblies for numerically controlled machine tools.** PTR No 5/74 (63) page 10  
Modern machine tools are built up to highly efficient and reliable standard assemblies. These include recirculating-ball lead-screw and nut assemblies, ball and roller guideways, hydrostatic bearings, guideways and leadscrew and nut assemblies, and accurate displacement measuring systems being made by the Polish industry.

## 621.787

**WIEGANDT R.: Extrusion of small elements.**  
PTR No 5/74 (63) page 16  
A new press tool has been developed at the Plastic Working Institute for the mass production of small components from wire by the extrusion method. This is a relatively cheap press tool capable of being used on high-speed power presses, allowing 5–20 mm long products to be obtained from 1.5–4 mm diameter wire, operated on an automatic cycle, and having an output of 120 pcs/min, comparable to those of expensive, specialised automatic machines.

## 621.91

**BUCZYNSKI L.: The Institute of Machining.** PTR No 5/74 (63) page 21  
The research and development work at the Institute of Machining, Kraków, is carried out in many fields. Of particular interest are the results of the studies on spark machining and grinding methods. Recently, prototypes of new spark erosion machines have been developed at the Institute. In the years 1975–1980, great attention will be given at the Institute to the comprehensive mechanization and automation of machining and assembling processes.

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