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 FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT   
 CD NO.

50X1-HUM

COUNTRY USSR  
 SUBJECT Economic; Technological - Machine tools  
 HOW PUBLISHED Daily newspapers  
 WHERE PUBLISHED USSR  
 DATE PUBLISHED 18 Nov 1949 - 14 Jan 1950  
 LANGUAGE Russian

DATE OF INFORMATION 1949 - 1950  
 DATE DIST. // Apr 1950  
 NO. OF PAGES 3  
 SUPPLEMENT TO REPORT NO.

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SOURCE Newspapers as indicated.

NEW MACHINE TOOLS SLATED FOR PRODUCTION IN 1950

15 NEW TYPES SCHEDULED FOR 1950 -- Leningradskaya Pravda, No 298, 20 Dec 49

During 1949, the Leningrad Automatics Plant began production of the following new types of machinery: automatic long-bed lathes, automatic turret lathes, semiautomatic machines for milling twist drills, and a variety of special automatic machines for the automobile, metallurgical, and other industries. At present, the plant is assembling a new high-duty automatic machine, type 11-36, which will be put out by 21 December.

The efficiency of the plant is such that it can turn out a new automatic within 1½ months after receipt of the blueprints. For example, it recently produced in 1½ months a complex wire-drawing machine which turns out 0.08-0.02 millimeter wire at the rate of 25 meters per minute.

In comparison with 1945, gross production has increased fourfold and the range of products has increased 12 times. At the same time, the plant's personnel increased only 20 percent.

In 1950, the production of automatic machine tools will be six times greater than at the beginning of the Five-Year Plan. Moreover, newer, larger, and more complex machine tools will be put out. Automatic long-bed lathes for machining parts up to 25 millimeters in diameter, and automatic turret lathes for machining parts up to 36 millimeters in diameter, will be produced on a large scale. The production of special and single-purpose machines for the metallurgical, toolmaking, automobile, and radio industries will be increased 1½ times. Altogether, the plant will put out 15 new types of automatic machine tools. -- P. Khizhnyak, director, Leningrad Automatics Plant

DEVELOPS FIRST SCREW-CUTTING LATHES -- Kommunist, No 294, 15 Dec 49

The Yerevan Plant imeni Dzerzhinskii, located in Stalinskiy Rayon, has developed its first screw-cutting lathe and is tooling up for mass production of these machine tools.

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NEW THREAD-CUTTING MACHINE -- Komsomol'skaya Pravda, No 307, 29 Dec 49

The Krasnyy proletariy Plant has produced an experimental thread-cutting machine tool, the new "1620." It includes a copying machine as part of the unit.

Distinguishing features of the machine are the substitution of push buttons for cranks and levers, and the use of lighted dials to indicate performance rates. When a button on the carriage is pressed, for example, the rate of spindle revolutions changes, the velocity showing on one of the lighted dials 1,500, 1,700, 2,000, 2,500 revolutions per minute, and so on.

Sovetskaya Litva, No 12, 14 Jan 50

Machine-assembly shop No 2 of the Moscow Krasnyy proletariy Machine-Tool Building Plant has begun manufacture of parts for the new high-speed "1620" machine tool.

TO SERIES-PRODUCE NEW TOOLS -- Pravda, No 362, 28 Dec 49

The Gor'kiy Machine-Tool Building Plant has manufactured the first group of new-design high-speed bracket-milling machines which will go into series production in 1950.

Designers have also developed large machine tools to meet requirements of advanced machine-building techniques. Machine-tool control has been automatic. Several complex machine tools can be serviced by one operator.

The first group of new tools was designed and built in 4 months.

DESIGN IMPROVED GRINDING MACHINE -- Moskovskiy Bol'shevik, No 271, 18 Nov 49

Two engineers of the Khar'kov Plant imeni Molotov, Soloshchenko and Goroshko, have designed a grinding machine which does not exceed the dimensions of existing machines of this type, but which will grind the internal races of bearings twice as fast as previous machines.

NEW CUT-OFF LATHE -- Vechernyaya Moskva, No 292, 12 Dec 49

The Srednovolzhskiy Machine-Tool Plant, Kuybyshev Oblast, is about to begin production of a newly designed cut-off lathe and a semiautomatic lathe.

NEW MACHINES PRODUCE FINISHED CASTINGS -- Leningradskaya Pravda, No 306, 29 Dec 49

The Leningrad Tool Plant has built new moulding machines which make parts for complex tools. The machines turn out the parts in a finished state requiring no trimming or machining.

DESIGNS HIGH-POWER EXHAUST FAN -- Vechernyaya Moskva, No 296, 16 Dec 49

A fitter at the Moscow Tool Plant designed a noiseless high-power exhaust fan. A special commission, appointed by the Ministry of Machine-Tool Building USSR, approved the design. The new fans have been installed in the plant's ships and in a number of other enterprises in Stalinskiy Rayon, Moscow.

- 2 -

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50X1-HUM

PLANT PUTS OUT NEW MACHINE TOOLS -- Leninskoye Znanya, No 6, 8 Jan 50

The Moscow Krasnyy proletary Plant has started series production of the universal high-duty 1A62 machine tool, whose spindles revolve twice as fast as those of earlier models. In respect to these machine tools, the plant exceeded the 1949 plan ten times.

The plant has also put out the following new types of machinery: a two-position semiautomatic machine for machining automobile and tractor crankshafts, an eight-spindle semiautomatic machine, a semiautomatic machine for the machining of carbon electrodes, and a number of other high-duty machine tools.

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- 3 -

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