

V.A. Ostafiev, G.S. Tymchik. Laser Measuring Systems for Precision CNC Machine Tools. – North-Holland. Computers in Industry 11 (1989) 229-234

The paper deals with developing of laser optoelectronic measuring instruments ЛИР-1, ЛИР-350 for the coordinates' determining of the cutting tool edge and subsequent compensating its dimensional wear directly on machine tools. The laser instruments' application permits noncontact measuring geometric dimensions of both the cutting tools and the workpieces to within 0.05 to 1 im with reducing set-up time.

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