

BLOCK-TERMINAL FIBER FOR LASER GENERATION OF ULTRASONIC WAVES

Abstract

A laser transmission system for laser machining of a workpiece (204). The laser transmission system comprises a source (102) coupled via a lens (104) and a transmissive block (106) to a transmission fibre (108). The fibre output is coupled via a further transmissive block (110) and a lens (112) onto the workpiece. Control of the system is possible due to an optical detection system (206) monitoring ultrasound waves generated on the workpiece.

Fig. 1