Fiber lasers in technological processes


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Abstract - Results of use fiber are given in various technological processes of laser processing: weldings, cladding, polishings, milling, modification of internal structure of special alloys. Results of researches with use of radiation of fiber lasers of various type of processes of welding of refractory materials, steel special structure are presented. Polishings of products from alloys of the titanium also became, cladding of powders of various structure with additives of nanopowder of carbide of tantalum, milling of oxide of zirconium. Engineering of external and internal interfaces of solid bodies for management of structure and physicomechanical properties of metal alloys are presented.