

SOFTWARE FOR MAKING TECHNOLOGY OF REPARATIVE WELDING WHEELS OF A CRANES

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***Abstract:** Wheels of a crane, during the exploitation, due to wear, lose some of the material and become unusable. Their return to their original state is successfully realized through the process reparative welding. Reparative welding technology wheels of a crane are consists of a large number of operations, of which the most complex welding operation is welding, in which a technologist should define the dimensions of the interlayer and the final layer, as well as to define the composition of additional materials. If we know that there are many different wheels (by diameter and by other dimensions), designing technology is very complex and requires the knowledge and experience of a technologist. Using the software shown in this paper makes it easy to work a technologist and reduces the possibility of error (almost down to zero) in the making of technology because the software calculates the composition and amount of additional materials and defines welding technology.*

***Keywords:** wheels of a crane, reparative welding, software*