

The Practical Side of the Project WnM

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Tribologically stressed components are hardfaced, amongst others, by deposition welding. Standard weld filler metals are not the best solution for special tribological applications. Therefore tailor-made material solutions are necessary. The aim of the research project is to develop hard alloys, especially of Fe-Mn-Cr-basis, for the CNC-controlled laser cladding, using the material simulation. At this the laser as a mini melting furnace plays an important role. In the presentation, the project is briefly presented. First results are shown.