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Small Size Company of Machining Processes

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Abstract: Modern industry demands flexible processes and quick changeovers. Nowadays, the SMED methodology (Single Minute Exchange of Dies) is by far, the most used tool, although recent studies show that there are areas not covered by this methodology. Recently the Design for Changeover (DFC) has been covering some of the gaps and omissions of the SMED. This paper proposes a robust methodology that combines both methodologies -which includes all points where improvements can be done- for the reduction of changeover times. The application was made in a small size company and the set up time was reduced about 70%.

Keywords: Quick changeover, set up reduction, SMED, DFC.