

1.10.1. INSPECTION SOLUTIONS FOR THE AUTOMOTIVE INDUSTRY

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Since many years the Automotive Industry focuses on increasing the safety and comfort for both, passenger and goods transport vehicles. Every one of these has between 3000 up to 7000 spot welds which are produced by either manual weld guns or robots. The Spotchecker offers the advantage of an “expert” system even for less qualified operators based on a high performance UT flaw detector, the USLT. Its portability and easiness of use improves the quality of the spot welds, but it also significantly reduces the scrap costs for the common destructive tests. The in-situ (wireless) data transfer opens new ways for NDT reporting networks whereas the built-in evaluation assistant gives report about the final inspection outcome. A highly increased productivity and cutting-edge inspection technology is what the generation of the new portable UT flaw detector Spotchecker will be addressing.