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Automatic Radioscopic Systems

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Abstract

Specific automatic X-Ray systems for different fields of applications like electronic component testing, casting or food inspection were developed for inline quality control. Various solutions like inspection systems working on 2D or 3D image data as well as hybrid tester machines with a hierarchical inspection philosophy have appeared on the market. The progress in automated data evaluation in the industrial environment is strongly related to the progress in computer technology. The advance of development in the fields of processor speed, memory and operating systems increased dramatically and more and more complex algorithms for difficult inspection tasks could be completed. In the near future especially computed tomography as a powerful tool for volume information shall be integrated into industrial inline inspection.