

1.11.1. PRACTICAL APPLICATION OF THE PHASED-ARRAY TECHNOLOGY WITH PAINT-BRUSH EVALUATION FOR SEAMLESS-TUBE TESTING

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Testing seamless pipes with phased-arrays nowadays has become a preferred technique, due to its excellent detection capabilities and versatile programming possibilities. It is considered for the upgrade of existing lines as well as in the planning of totally novel manufacturing plants. To optimally serve the needs of the application, the same sensor arrangements can be realized within several mechanical solutions fitting to the explicit conditions in the environment. The PORTAL solution of the well-known GRP-PAT Technology is a totally novel implementation for the advanced phased-array methods. It allows to couple from above and has been particularly optimized to the transversal transportation of pipes, as it is considered in many novel plant layouts. The solutions, which allowed to transfer the phased-array methods, including the paint-brush technology, will be reported and presented together with application results recorded from the final installations.