



Quality Control in Net-Shape Manufacturing Environment

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Message from the Guest Editor

Dear Colleagues,

Additive manufacturing is an increasingly sought-after net-shape materials processing route for high value added components. Such developments emphasize the need for an on-line quality control to identify and separate the batches as pass and fail during production, preferably as early as possible, allowing for potential healing where feasible in the process (ideally before consolidation) without having to seek destructive examination carried out manually off-line, which can have a negative impact on the production flow and output. More critically, any faulty part that is overlooked may cause further problems later on, in the form of unexpected premature failures in respective applications and operating environments. Depending on the component and the criticality of the application, this can indeed have drastic consequences.

Dr. Cem Selcuk
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Message from the Editor-in-Chief

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