

ABSTRACT OF THE DISCLOSURE

The present invention relates to an automated system and a process for repairing a component having at least one surface. The system broadly comprises a scanner device for generating an image of each component surface having a repair material thereon and a programmed central processing unit for generating instructions for performing an operation to remove any excess repair material from each surface of the component and to blend each surface of the component. The system further includes a programmable robot for holding the component during the scanning process and during the subsequent operation. The system further includes a cell having a plurality of tools for performing different blending operations and/or polishing surfaces of the component. A process for performing the repair of the component is also described.



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