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Huffman Corporation awarded Patent for “Method and Apparatus for Removing Coatings from a Substrate using Multiple Sequential Steps”

Huffman Corporation, located in Clover, South Carolina, was awarded a Patent for “Method and Apparatus for Removing Coatings from a Substrate using Multiple Sequential Steps” on June 9, 2009. This patent relates to a method and apparatus for removing a coating having an irregular surface configuration, and using the mapping determination in controlling the operation of an abrasive water jet to provide increased material removal rates at the higher points in the irregular surface and decreased material rates at the lower points, and thereby even out the surface configuration of the coating. The method and apparatus also includes using a detection device for detecting the presence or absence of an element that is unique to a layer of a coating, and using the detection determination in controlling the operation of the abrasive water jet to stop material removal of the coating when the detection device determines there is an absence of the unique element.

Huffman is greatly pleased with the high value of this patented method, proving out the quality of their abrasive water jet machine operations. This methodology also provides an environmentally friendly way to removal coatings and extending the part life as there is no heat damage or intergranular attack.

ABOUT HUFFMAN CORPORATION – “*Compelling Productivity, Legendary Reliability*” – Founded in 1961, Huffman Corporation provides manufacturing process technology to the flight and industrial gas turbine, medical, and vehicle markets. The company’s main products are multi-axis superabrasive grinding machine systems, laser powder fusion machine systems, and precision abrasive waterjet machine systems. Located in Clover, SC, a suburb of Charlotte, NC, Huffman is an ISO 9001:2000 and CE-approved supplier with global sales and service.

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