



MVP Panel Production Equipment

MVP's Advanced Equipment Division (AED) is pleased to announce another successful panel reciprocator installation at Water-Way Inc, located in Iuka, MS. Water-Way manufactures flat FRP panels for the motor-home and RV industry. The MVP equipment was successfully installed in late 2012. Since then Water-Way has enjoyed great quality improvement combined with huge material and labor savings while manufacturing these panels.

Before: The below photos show the previous method of manual application of the gel coat layer for these panels. The manual spray method required the manual application as the operator walked on the mold. This method also required large amounts of panel edge tape to protect the mold edges due to the unpredictability of the over spray with manual application. The accurate control of gel coat lamination thickness was not possible with the unsteady application method of this slowly walking application of the manual spray. Due to the inconsistency in thickness with the manual method additional, unnecessary gel coat thicknesses were applied to ensure the panels met the minimum gel coat standard.

Before



After



After: The MVP gel coat reciprocator provides the automation for a gel coat spray gun to reciprocate back and forth over a mold moving underneath the machine. Since both the spray application and the mold speed are controlled the equipment offers reliable, consistent quality. The spray area and thickness can be easily controlled and modified as required. These features have provided a material savings estimated at over \$300K/year since the installation at Water-Way. The material savings include not only the gel coat raw materials, but also the additional panel tape edging and additional labor of the previous manual method of applying the gel coat. For more details of the MVP reciprocator equipment please visit the following website; <http://www.mvpind.com/productcategory/reciprocators/>