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## Hawthorn Composites Deploys Fully Electronic AS9100D Quality Management System

06/30/2021 (Xenia, OH) Hawthorn Composites, a division of Spintech Holdings Inc. that specializes in manufacturing of low-cost composite moldings and assemblies, has successfully achieved AS-9100D and ISO 9001:2015 certifications on 3/19/2021. Using a combination of real time document control and digital work instructions, Hawthorn Composites has established a totally digital workspace for manufacturing and eliminated the use of paper for all processes. This combination reduces waste, increases efficiency, and improves quality.

Using the quality management system (QMS) software [QT9](#) (Figure 1), Hawthorn Composites can centralize all data in a single cloud-based platform, maintaining complete document control and eliminating the risk of out-of-date documents being referenced.

Digital work instructions are created using [VKS work instruction software](#) (Figure 2). Each operator's workstation is equipped with a tablet computer (Figure 3) that loads digital work instructions allowing operators to simultaneously read picture and video annotated work instructions, while simultaneously using the tablets to digitally capture quality records.

"Hawthorn Composites is dedicated to accomplishing the highest quality results for our customers and believe our fully digital implementation of AS9100D and ISO 9001:2015 will allow us to continually deliver composite parts that accomplish this quality objective."

- Craig Jennings, Chief Executive Officer of Hawthorn Composites

AS9100 is an aerospace standard based on the ISO 9001 quality system requirements, adding more stringent requirements specific to the aviation, space, and defense industry. The standard takes the requirements of ISO 9001 and supplements them with additional quality system requirements, which are established by the aerospace industry in order to satisfy DOD, NASA, and FAA quality requirements.

[Hawthorn Composites](#) sets the standard for manufacturing high performance, made-in-America, aerospace composite structures at competitive prices. Hawthorn Composites combines low-cost raw materials (dry fiber and liquid resin), resin infusion techniques, automated dry fiber preforms & over braiding, and novel manufacturing methods to deliver

aerospace quality composites at price points significantly lower than can be obtained using traditional manufacturing methods.

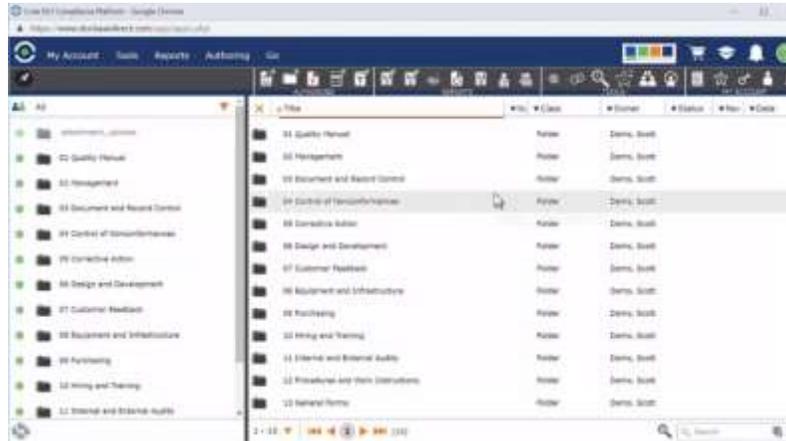


Figure 1 - QT9 Document Control



Figure 2 - VKS Digital Work Instructions



Figure 3 - Tablet-enabled Tool Station

Download Images:

Figure 1 - [https://hawthorncomposites.com/wp-content/uploads/2021/06/QT9\\_DigitalWorkInstruction\\_Screenshot.png](https://hawthorncomposites.com/wp-content/uploads/2021/06/QT9_DigitalWorkInstruction_Screenshot.png)

Figure 2 - [https://hawthorncomposites.com/wp-content/uploads/2021/06/VKS\\_DigitalWorkInstructions\\_Screenshot.png](https://hawthorncomposites.com/wp-content/uploads/2021/06/VKS_DigitalWorkInstructions_Screenshot.png)

Figure 3 - [https://hawthorncomposites.com/wp-content/uploads/2021/06/Tablet-enabledToolStation\\_Image.jpg](https://hawthorncomposites.com/wp-content/uploads/2021/06/Tablet-enabledToolStation_Image.jpg)