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Predictable manufacturing using 21st century technology

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Predictable manufacturing provides the opportunity to completely concept, design and virtually visualize experiencing a manufacturing process that encompasses all the disciplines, aspects and nuances found in production regardless of industry or product. Several methods are currently used to plan your manufacturing environment. Most are rather archaic in practice which includes following the same procedures from the past i.e., “we have always done it this way”, to attempt using less than functional computer tools to evaluate, analyze and record statistics toward an optimized result. While these solutions may get you to part of your goal, they come up drastically short in accurately predicting all of your manufacturing requirements. This has been coined as “bar napkin planning” i.e., to literally sketch the manufacturing process on paper or relying on the inadequate CAD tools known today.

Biography

Robert J Axtman is a team member for Visual Components OY Finland, serves as CEO and President of Visual Components North America Corporation. His charter is to introduce Visual Components' 3D Digital Manufacturing solutions into the markets and industries of the Americas, Canada and Mexico. Additionally, his personal mission is to expose the new technologies available to the SMEs and “Mom & Pop” shops to level the playing field between the manufacturing mega enterprises and those with limited capital, regardless of Industry or product. He has 50+ years of experience including international business while assigned as the Asian and Pacific Rim President for a major PLM (Product Lifecycle Management) software provider while residing in Japan. He has authored and published multiple articles relative to Digital Manufacturing, Digital Factory Solutions and LEAN/Six Sigma Manufacturing and has conducted multiple Webinars relative to Robotics, Predictable Manufacturing and Digital Technologies. He holds a Bachelor's degree in Mechanical Engineering, a Master's degree in Engineering Management and a Doctorate in Engineering Economic Systems. He has been a Keynote Speaker and Presenter at major industrial trade shows ranging from IMTS, The Assembly Show, Mfg4, Fabtech (US, Canada and Mexico, SAE World Congress, Pack Expo to name a few. He is currently authoring a book titled, “The Other Side of the Desk” that provides insight, based on his diversified experience, to “Compel not Sell” to the target on the other side of the desk.

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