

Quality Core Tools (MSA, SPC, FMEA, PPAP, CP, APQP, PPAP)



A **Quality Core Tools** course provides manufacturing professionals with a practical understanding of the methodologies used to improve product quality, reduce variation, and meet customer and industry requirements. Widely adopted throughout the automotive, aerospace, medical device, and general manufacturing industries, these tools help organizations proactively manage risk, improve process capability, and deliver consistent, high-quality products.

Participants receive hands-on instruction in **Advanced Product Quality Planning (APQP)**, **Failure Mode and Effects Analysis (FMEA)**, **Statistical Process Control (SPC)**, **Measurement System Analysis (MSA)**, **Control Plans (CP)**, **Production Part Approval Process (PPAP)**, and supporting quality methodologies. Through real-world examples and practical exercises, attendees learn when and how to apply each tool throughout the product lifecycle, enabling them to improve process control, reduce defects, satisfy customer requirements, and build more robust manufacturing systems.

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