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New JIT, new management technology principle: Surpassing JIT

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The aim of this lecture is to reassess the way management technology was carried out in the manufacturing industry and establish “New JIT, New Management Technology Principle” surpassing JIT. New JIT contains hardware and software systems as the next generation technical principles for accelerating the optimization of work process cycles of all the divisions. The first item, the hardware system, consists of the Total Development System (TDS), the Total Production System (TPS) and the Total Marketing System (TMS), which are the three core elements required for establishing new management technology principles for sales, R&D, design, engineering, and production, among others. For the second item, the strategic quality management system, the author is proposing “Science TQM, New Quality Management Principle” incorporating “Science SQC, New Quality Control Principle”. To realize manufacturing that places top priority on customers with a good QCD in a rapidly changing technical environment, the author proposes a high linkage model, employing a structured “integrated triple management technologies system - Advanced TDS, Advanced TPS and Advanced TMS” for expanding “uniform quality worldwide and production at optimum locations”.

Biography

Kakuro Amasaka became a Professor of the Graduate School of Science and Engineering at Aoyama Gakuin University, Tokyo, Japan. Now, he is inaugurated as the chairman (2011-2012), and the Director (2013-present). He acquired 72 patents concerned with production engineering and others. He is a recipient of the Aichi Invention Encouragement Prize (1991), Nikkei Quality Control Literature Prizes (1992, 2000, 2001 and 2010), Quality Technological Prizes (JSQC, 1993 and 1999), SQC Prize (JUSE, 1976), Kansei Engineering Society Publishing Prize (2002), and others (e.g. Outstanding Paper Award, ICMIS-2013).

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