

# STATISTICAL PROCESS CONTROL VERSUS AUTOMATIC PROCESS CONTROL

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*This paper describes the techniques from SPC (Statistical process control) and APC (Automatically process control), the way we use them in the control processes activity and how we integrate them to improve the quality of manufacturing processes.*

*Although these disciplines are traditionally separated by the researchers, it is evident the common goal of them to obtain the best quality level of the produces by controlling variations in the processes.*

*We have briefly described the principle of work of these two disciplines and we have made a comparison between theirs techniques. Finally we have shown the necessity of developing a common model that must contain also the APC and SPC and that will be very useful to developing the best methods of control quality.*

**Key words:** Process control, control charts, SPC, APC, principal component analysis, automatic control