

- Quality System
- Quality Control
- Workflow
- Business Intelligence
- Human Resource
- Environment, Safety and HACCP
- Project Management
- Automotive

Next Steps

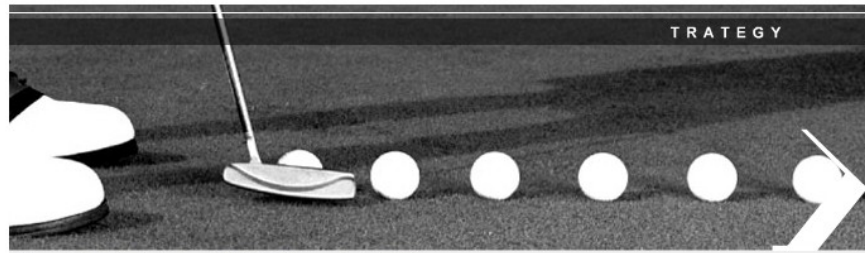
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Quarta® Statistical Process Control (SPC)

The incoming good inspection prevents products not conforming with specifications from being used: this type of control is implemented like a filter. However real quality is the result of the production process.

The **statistical process control (SPC)** is an excellent instrument for preventing problems during the production process. The SPC, integrated in the **Quarta®** product Suite, not only handles planning, control and evaluation but it also serves as a comprehensive analysis which takes the whole company information system into account.

The Acceptance tests are carried out in order to avoid using products not in compliance with the specifications: they are carried out with a selection purpose.

Planning

- Control Plans (control instruction grid), with review index management;
- SPC type processes – Machine Capability – Production Start Report;
- Collection frequency configurable for each characteristic;
- Alarm and Process Variable configuration (e.g. casting, production lot, etc);
- Variety of controlling cards (Xm/R, Xm/s, single values, medians);
- Attribution cards (C, p, np, u).

Control

- Measure execution, with direct multi-protocol connection to Measuring Instruments;
- Interfacing with inductive probes;
- Connection with the Non Conformity registration system Displaying Cp and Cpk (Pp, Ppk, Cm, Cmk);
- Multi-quotas;
- acquisition from file; MASTER station for global monitoring of the control system.

Analysis

- Statistics on incoming lots;
- Analysis of the registered values (lot statistic evaluation, Xm,R,s,MC,Cpk);
- Incoming history (by period, article, supplier);
- Vendor rating;
- On Time delivery, service assessment.

System integration

Thanks to an accessory module (QConnect) a bi-directional interface is possible with the ERP system or other systems present in the company.

Some of the largely used functions:

- importing the lots to be checked;
- automatic opening from MRP/ERP of the SPC control orders;
- synchronisation of article, supplier, customer files.

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