



## Medical Product Manufacturing News

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# Medical Product Manufacturing News

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## PRODUCT UPDATE

### Software Providers Move into the Problem-Prevention Business

**Software platforms feature increased speed and capacity, enabling OEMs to better control operations, reduce costs, and prevent mistakes**

#### The Prevention Method



The Smart system from QCR Corp. is designed to prevent manufacturing errors by verifying at the point of activity that operations are being performed correctly.

Similar to other suppliers' anticipation efforts, QCR Corp. (Arlington, TX; [www.qcrcorp.com](http://www.qcrcorp.com)) offers an enterprise knowledge execution system that is designed to mistake-proof every stage of product development. "The Smart system turns the traditional application approach upside-down," says Michael Young, QCR president. He explains that software companies that promote traditional products—such as CAPA systems that utilize data warehouses and performance management applications—rely on identifying, reporting, and analyzing problems after they have already occurred. Because most manufacturing problems are caused by omissions or mistakes at the point of activity, QCR feels that a better strategy is to employ a system that ensures that operations are being performed correctly during every stage of development, not after.

The Smart system is set up to prevent operator and process errors by identifying each process and its associated specifications, regulations, materials, and other data. By compiling that information and making it accessible to system operators, Smart software can guide the user through decision trees that ensure that the process is completed correctly every time. Such advice and work verification at the point of activity make it virtually impossible for an operator to go wrong, according to Young.

The system also can verify that operations are being performed in compliance with government regulations at the point of activity during every manufacturing stage. Real-time process verification and proven compliance not only ensure that products are made well, but, in turn, can translate into decreases in corrective action requests, recalls, and returned product.

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MISTAKE-PROOFING  
THE  
BUSINESS PROCESS



View a video presentation about a software system that is designed to mistake-proof product development processes.