

Nexus StepUp to Quality Control System 800xA



Nexus Expansion Drivers due to process changes, obsolescence, or to take advantage of System 800xA opportunities:

- **Replace Advant (Unix-based) Workplaces with Quality Control Aspect Workplaces (Microsoft® -Windows based)**
- **Add additional Quality Control Aspect Workplaces**
- **Add measurements such as Color or Fiber Orientation**
- **System 800xA Controls for Color with option for Automatic Shade Change**
- **System 800xA Controls for Cross-direction Controls with option for Local Variability (LV) Control**
- **Expand with ABB's new line of xP Profilers (Extended Profiling) with Dilution xP, Slice xP, Air-Water xP, and Induction xP solutions**
- **Add System 800xA, AC 800M controller, for industry-standard fieldbus, network and data interchange protocols to easily integrate third-party plant systems**
- **Address obsolescence issues**

ABB announces expansion StepUp programs to migrate customers with Nexus Quality Control Systems to ABB's latest Quality Control System 800xA solutions. Whereas, Nexus Systems may not have the obsolescence challenges of older AccuRay 1180M and 1190 systems, customers frequently have a need to expand due to a process change, or to take advantage of new system opportunities.

ABB is committed to delivering product enhancements compatible with the systems you already own. ABB offers several StepUp programs with Nexus system expansion in mind. A breakthrough with the release of the latest Nexus Quality Control Aspect 4.1 software version is the support of mixed architecture. Mixed architecture offers the ability to combine existing Nexus AC 450 controls with ABB's latest Quality Control Aspect 4.1 Workplaces and System 800xA controls. Customers are reassured that they are investing in the future by providing the architecture foundation of Quality Control System 800xA. You never need to worry about locking yourself into a dead-end position. By upgrading customers have effectively transformed their existing Nexus system into an 800xA system!

ABB's revolutionary Quality Control Aspect Workplace is not just for operators anymore. Customers are not only replacing their existing Advant 500 Operator Stations but go on to add additional QC Aspect Workplaces beyond the needs of machine operators. Quality Control Aspect Workplaces are easily personalized to individual user requirements and users are able to access QC Aspect Workplaces anywhere on the network. We make sure that the right person gets the right information to make the right decision. This way you'll stay competitive. To ease the transition and lower upgrade project risk, customers may even elect to keep their existing Advant 500 Operator Stations running in parallel as mill personnel adjust to the new Quality Control Aspect Workplaces.

Nexus expansion may also include the addition of measurements such as Color or Fiber Orientation, advanced Color Controls, and ABB Profilers with related Cross-direction Controls. ABB's recent

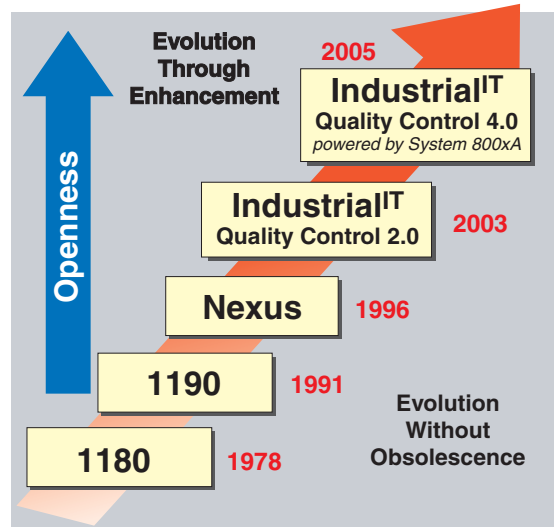
investment in a new line of xP Profilers (Extended Profiling) demonstrate ABB's commitment to provide the industries premier profiler offering with new Dilution xP, Slice xP, Air-Water xP, and Induction xP solutions.

ABB's new Local Variability (LV) Control is frequently added within the latest System 800xA architecture. Narrower CD response widths, such as those in dilution valves, require extremely precise mapping on a continual basis. LV Control identifies areas of excessive localized variation and automatically adjusts mapping to correct the problem, ensuring long-term, optimized performance of ABB CD Controls. System 800xA Color Control is redesigned from the ground up with new QC Aspect operator interface, enhanced UV signal processing, and an option for Automatic Shade Change.

The existing Nexus AC 450-based MD and CD control software and I/O wiring remain in place to result in a lower cost for project installation services. The existing AC 450 controller and I/O may be used to drive the expansion System 800xA controls, or customers may elect to expand I/O in ABB's latest AC 800M controller. With the new AC 800M controller industry-standard fieldbus (Profibus, FOUNDATION Fieldbus and HART), network and data interchange protocols are supported, making it easy to integrate third-party plant systems. Expansion emphasis is to allow customers to invest in the future by building on the latest Quality Control System 800xA solution.

As a valued customer, ABB will make every effort to migrate your Nexus system forward to our latest value-creating Quality Control System 800xA solution. You may be surprised to find that investment and migration to System 800xA is not an all-or-nothing proposition. Moving to newer technology can be managed at a controllable investment level, eventually migrating to our complete Quality Control System 800xA solution. A gradual migration approach will allow some customers to even fund projects within their maintenance budget. To minimize your capital expense, ABB will ensure the reuse of as much of your existing equipment as possible, and offer modular StepUp solutions to Quality Control System 800xA. We'll even provide credit for the return of key Nexus parts back to the factory.

ABB recommends that all Nexus customers take advantage of StepUp program opportunities. We'll make every effort to keep you as a long-term customer, because satisfying existing customers is the best path forward to ensure our mutual success. Contact your local ABB account manager to discuss your Nexus system expansion needs. Your account manager can arrange for a site audit to create a detailed Migration Roadmap and answer any question you may have.



StepUp programs offer a migration path for Nexus customers to our latest Quality Control System 800xA solution, providing the highest customer ROI, and lowest overall installation cost. Overall StepUp program objectives:

- Provide Nexus System expansion to the latest System 800xA solutions including Quality Control Aspect Workplaces, ABB's most advanced controls, and Xp Profilers
- Customers receive the highest ROI with the latest Quality Control System 800xA solutions and lower their support costs
- Provide customers with a lead-time notification of limited or obsolete lifecycle status for Nexus system components
- Minimize your capital expense with the reuse of many parts of your existing software/hardware
- Extend StepUp program incentive pricing to loyal customers
- ABB will provide a Site Audit and create a detailed Migration Roadmap



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