



Integral

Technology Solutions



Stop Wasting Time with Passwords!

We provide biometric-enabled **login** and **electronic signature** solutions for the optimization of manufacturing, training, and supply chain systems to life sciences and other regulated manufacturers.

Why Use Biometric Systems?

- Reduce costs in production, quality, staffing, and IT administration
- Improve efficiency, convenience, compliance, and user acceptance
- Increase accuracy, security, accountability, productivity, and simplicity

What Can We Do with Biometric Systems?

- Login to manufacturing applications with biometrics
 - *Forget usernames, passwords, password administration costs, and headaches*
- Complete training eSignatures and eliminate paper and transcription errors
 - *Training completion tracking, batch records, DHR, document management, and material consumption*
 - *Integrated with UL ComplianceWire training LMS and document management systems*
- Password reset management integration and password expiration reminders
- Enable gloved workers to authenticate and eSign
- Integrated with MES systems: Rockwell FactoryTalk, Camstar, Wonderware, and SAP ePES



Time Savings for Every Login*

Customer Metrics

- 500 worker factory
- 24x7 production
- Average 60 logins/worker/day

Without Biometrics

- Average time to login: 18 seconds (including typos, resets, lockouts, lookups)
- Hours per day doing logins: 150
- Hours per year doing logins: 54,000

With Biometrics

- Average time to login: 1.5 seconds
- Hours per day doing logins: 12.5
- Hours per year doing logins: 4,500
- **49,500 hours/year savings!**

Why are Integral Products Superior?

With Integral products we make it easy for you to:

- **Keep it Fast**
One-second authentications
- **Keep it Simple**
Biometric authentication and eSignature
- **Keep it Secure**
Nested 256+bit encryption
- **Keep it Compliant**
CFR 21 Part 11 and EC Annex 11 compliant
- **Keep it Cost Effective**
Six-month ROI—Single app, numerous solutions
- **Keep it Up and Running**
Seamless failover. Zero downtime.

Leverage our flexible design to integrate our common architecture with all the systems in your supply chain. Mine the usage data in our systems and know who is doing what, when, and where. Leverage that business intelligence through broader integration.



*Based on actual customer metrics. Logins calculated include logins and eSignatures. Logins/day may have been lower prior to use of biometrics.



Products

Integral provides validated software solutions that enable US CFR 21 Part 11 and EC GMP Annex 11 compliant biometric enabled electronic signatures, single match logins, and integrated password management for numerous AD and non-AD integrated manufacturing supply chain automation systems. We offer several products that leverage our robust, scalable, and highly reliable integration architecture. All of our products work with EyeLock's innovative and cost effective iris sensors and DigitalPersona's fast and accurate fingerprint scanners and are designed to enable rapid support for other biometric devices. Dual Biometric authentication offers even more certainty that your GxP authentications are accurate.

Hands-Free Iris Biometric Authentication

Integral Technology Solutions and EyeLock have partnered to bring in-motion and at-a-distance iris authentication technology to manufacturing environments; streamlining logins, eSignatures, and password management for gloved workers. This new solution offers seamless switching between fingerprint and iris biometrics, new AES encryption, and our innovative biometric authentication and eSignatures for hands-free AR/VR devices and tablets. Contact us for a demo.

BIVS—Biometric Identity Verification System

The BIVS client supports biometric logins for manufacturing execution systems (MES) such as Rockwell Automation, Camstar, and SAP. Numerous in-process authentications are required in MES systems. This compliance cost can add up, but the BIVS application turns this cost into a benefit by streamlining the process and increasing accountability and traceability while reducing the time and effort required to maintain compliance. This product is a great solution for use with mobile tablets, thin clients, and other systems that require cumbersome repetitive authentication. Contact us so we can quickly integrate your MES system and bring these benefits to your site.

BEES—Biometric Enabled Electronic Signature

Biometric eSignatures eliminate paper, speed processes, and streamline compliance and audits. Tracking, recording, and archiving paper-based signatures is costly, time consuming, and error prone. Our electronic signature application integrates with compliant or noncompliant applications and records CFR 21 Part 11 and EC Annex 11 compliant eSignatures and synchronizes information between systems to create accurate audit-ready signatures. Our GxP specific Biometric eSignatures are uniquely designed to minimize the False Accept risks typically found in other Biometric solutions.

IBI—Integrated Biometric Identifier

The Integrated Biometric Identifier enables **fingerprint** and **iris** logins, eSignatures, and password management for many applications. The Integral Integration Engine server manages connections with other application interfaces for secure password integration, user provisioning, and robust database communications. The IBI auto or manual switch mode interacts with multiple integrated applications and supports systems running with a variety of HMI including web browsers, Java and Windows applications, RView, Citrix, and other wrappers. Our integration architecture provides more value, ease of use, security, and cost savings with each new system that is integrated.

Common Registration Client

All Integral products leverage on-site or distributed databases, our audit and metrics monitoring tools, and a common user registration admin client. These tools establish a foundation for an unusual authentication and eSignature solution that can deliver clear quantifiable business benefits and opportunities for innovative process design afforded by biometrically enabling your manufacturing operations.

Contact us today to become 10x more efficient than your competition!



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Forget Passwords!!™

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