ĺntegral
BIOMETRICS

Stop Wasting Time with Passwords!

We provide biometric-enabled **login, eSignature, Password Management,** and **Data Integrity Solutions** for the optimization of manufacturing supply chain and training systems for regulated manufacturers.

Why Use Biometric Systems?

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

What Can We Do with Biometric Systems?

- **At-a-Glance** and **At-a-Touch** logins for manufacturing applications
  - *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, password expiration reminders, with Active Dir support
- Enable rapid biometrics for gloved and non-gloved workers
- Integrated with MES and HMI systems: Werum, Rockwell, Siemens, Wonderware, Tulip, and SAP
- Ensure **Data Integrity** in manufacturing without upgrading HMIs and control systems

Time Savings for Every Login*

Customer Metrics	Without Biometrics	With Integral Biometrics
• 500 worker factory	• Average time to login: 18 seconds (including typos, resets, lockouts, lookups)	• Average time to login: 1.5 seconds
• 24x7 production	• Hours per day doing logins: 150	• Hours per day doing logins: 12.5
• Average 60 logins/worker/day	• Hours per year doing logins: 54,000	• 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 AES256+bit encryption

- **Keep it Compliant**
  CFR 21 Part 11 and EC Annex 11 compliant

- **Keep it Cost Effective**
  Six-month ROI—Low impact integration

- **Keep it Up and Running**
  Seamless failover. Zero downtime.

Increase Productivity by 7%

LOGINS / TIME

With Integral

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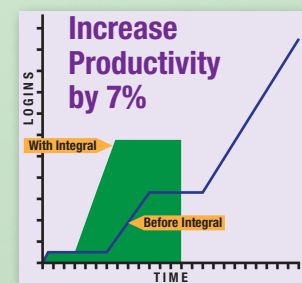
Leverage our flexible design to integrate our common architecture with all the systems in your supply chain. Mine the usage data in our systems and know who is doing what, when, and where. Leverage that business intelligence through broader integration.

*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 HID's fast and accurate DigitalPersona fingerprint scanners and are designed to enable rapid support for other biometric devices. Multi-Factor Biometric authentication offers even more certainty that your GxP authentications are accurate.

New! Hands-Free Iris Biometric Authentication

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

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 client software interacts with multiple integrated applications via a variety of HMI including web browsers, Java and Windows applications, RSView, Citrix, Thin Clients, and other wrappers. Our toolset enables low-cost and fast integrations. 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 a unique authentication and eSignature solution that can deliver clear quantifiable business benefits and opportunities for innovative process design afforded by biometrically enabling your manufacturing operations.

Server Side Config Tool

In a regulated environment software deployments are costly. The Integral config tool enables the reconfiguration of deployed software using a web-based configuration management system to enable integration modification without new software installs.

New! Data Integrity Biometrics Suite

Older machines in many factories do not have the controls, HMIs, and authentication integration in place to enable definitive identification of users and logging of their GxP related actions. Legacy HMIs run unique operating systems that can be challenging to integrate. Leverage your existing manufacturing equipment by adding the Integral Remote Authentication Device (RAD) enabled products with eye and finger biometrics to enable user accountability and ensure data integrity in your operations regardless of the HMI technology in use.

- **IB RAD** *LogBook*—Mount the IB RAD with integrated Iris or Finger sensor to any manufacturing machine and associate it with our web provisioning tool to be able to identify machine operators and log their GxP related actions to a central DB audit log.

- **IB RAD** *I-VRK*—Integral's Virtual Remote Keyboard (I-VRK) is hosted on the Remote Authentication Device and is controlled remotely, and securely, by Integral's software to enable HMI logins without software installation or integration. Powered by USB, and wirelessly and securely accessible, the IB RAD I-VRK can type users' credentials using login scripts into nearly any computing platform that recognizes a "standard" keyboard.

- **IB RAD** *Multi*—Deploy fingerprint sensors to any shop floor manufacturing equipment without the IB RAD and enable full operator accountability with finger biometric based identification and logging.

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

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Forget Passwords!!™