

# GENETIX® CONTROLS PLATFORM FOR WEIGHING AND FEEDING

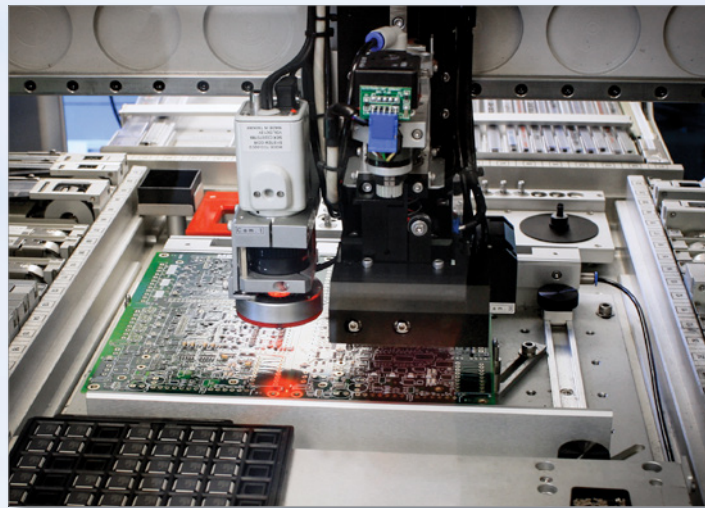
## SUPERIOR SUPPORT & RELIABILITY

MERRICK is unique in that we develop, produce and support our products within our company. For Genetix®, this even includes producing the intricate boards for the surface mount circuitry as well as mounting and the layout of other mechanical components.

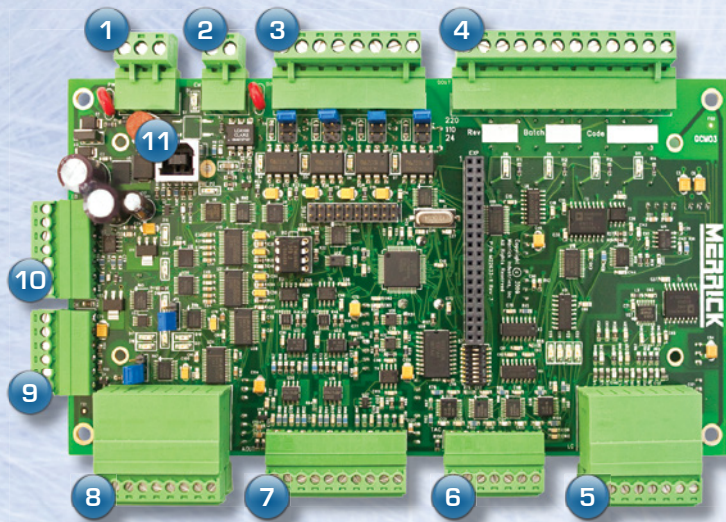
In addition, the software for the controller was developed by MERRICK engineers and programmed specifically for each weighing or feeding application. Our programmers rely on our more than 100 years of experience as a manufacturer of dynamic weighing equipment to ensure the software integrates with Genetix® hardware to provide the most effective solution for our customers' needs.

The stringent procedures followed for producing Genetix® ensure a quality product with proven performance and reliability in even the most challenging industrial conditions around the world. Prior to customer delivery, every Genetix® is aged and exercised in an environmental test chamber with operational monitoring for quality assurance confirmation.

MERRICK provides Genetix® with state-of-the art technology, superior performance, and robust 24/7 reliability, while offering unparalleled flexibility in adapting to the unique process needs of our customers.



## INSIDE THE GENETIX® CORE MODULE (GCM)



### SPECIFICATIONS

1. 24V DC Power
2. Remote Totalizer Output
3. Four Digital Inputs 24V DC / 120 / 240V AC
4. Four Form C Digital Outputs
5. Two Load Cell Inputs
6. Two Encoder Inputs
7. Analog I/O One In / Two Out
8. Two Serial Ports RS232 / 422 / 485
9. DNA Key Interface
10. Expansion
11. USB Type B Connector

# CONTROLS PLATFORM FOR WEIGHING & FEEDING



# GENETIX®

THE INTELLIGENT EVOLUTION OF PROCESS EQUIPMENT

FAMILY OF  
**MERRICK**  
COMPANIES

10 ARTHUR DRIVE LYNN HAVEN, FL 32444 USA  
CALL WORLDWIDE +1 850.265.3611  
EN ESPAÑOL +1 850.271.7834  
[WWW.MERRICK-INC.COM](http://WWW.MERRICK-INC.COM)

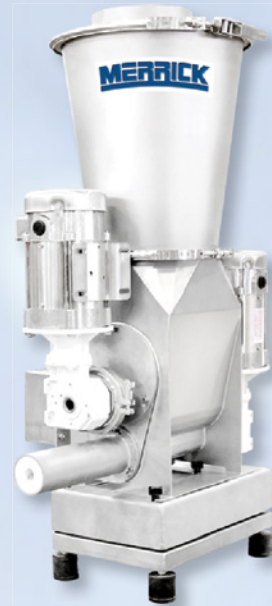


THE INTELLIGENT EVOLUTION OF PROCESS EQUIPMENT

THE INTELLIGENT EVOLUTION OF PROCESS EQUIPMENT

Genetix® has the flexibility to accommodate both simple and complex system configurations. With it you can choose where to add intelligence to your process and the best method to seamlessly integrate the information into your plant control system. You can adapt Genetix® to your system and application needs.

- Single board control provides smaller size while improving capabilities and performance
- Superior weighing resolution of 16,000,000 divisions (24-bit A/D Processor)
- Based on the latest embedded technology ARM Processor
- Programmable USB, RS-232 and RS-485 serial communications ports
- Fully equipped with analog and digital inputs and outputs (pluggable terminals)
- Available in a multitude of NEMA and IP rated enclosures



**PROCESS DEVICE**

- Belt Feeder
- Belt Batcher
- Loss-in-Weight Feeder
- Weigh Out Batcher
- Belt Scale
- Bulk Bag System
- Flowmeter
- Bin Weigher



WORKS WITH

**USER INTERFACE**

- Color Touch Interface
- LCD Membrane
- Wireless



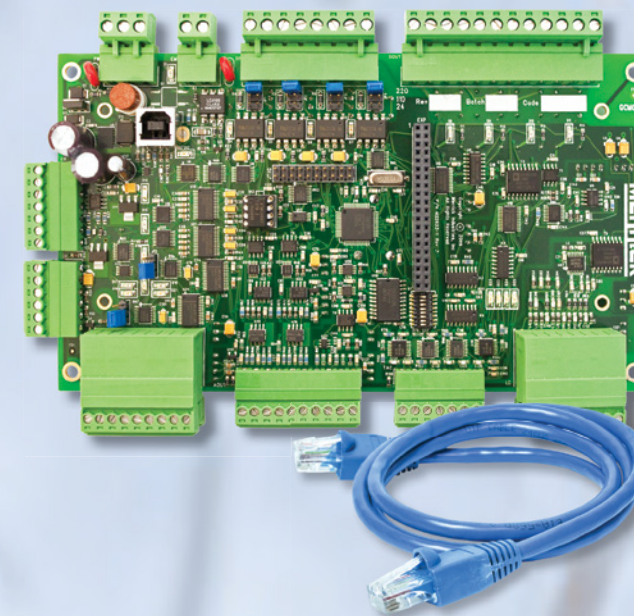
**INTERNAL OR EXTERNAL DNA KEY INTERFACE**

- Portable memory key
- Simple and easy to use
- Store and reload setup parameters
- Store material characteristics

WORKS WITH

**INDUSTRIAL NETWORKING**

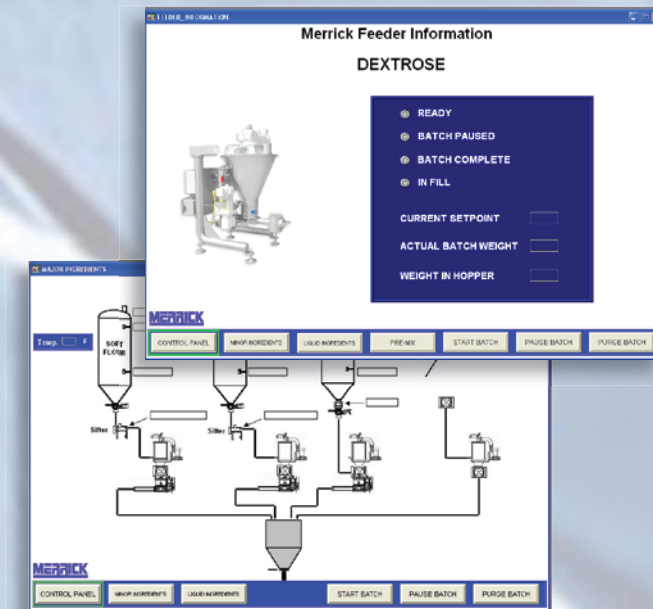
- Ethernet
- Modbus
- PROFIBUS®
- DeviceNet™
- ControlNet™
- Scalenet
- DF-1



WORKS WITH

**SUPERVISORY CONTROLS**

- DCS
- HMI & PLC
- Recipe Blend System



**GENETIX® PORTABLE WIRELESS DISPLAY**

- Bluetooth® equipped
- Full function user interface
- Remote calibration and setup
- Rechargeable battery

