



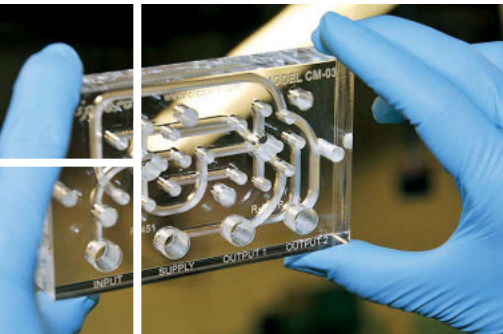
## Life Sciences Industry Products, Services, and Solutions



In the world of medical and life sciences manufacturing, technology is constantly changing. Cross is familiar with the challenges you face, as well as the regulations you must comply with including FDA, GMP, and ISO. Our team has worked with pharmaceutical manufacturers, biotechnology companies, medical device manufacturers, R&D labs, and educational institutions for decades. We have the expertise you need to help reduce your risk, improve the efficiency of your process, and ensure the quality of your product.

### Providing Tangible Value

- **Stay compliant:** FDA regulations are constantly changing. Make sure you can measure and document every part of your process to comply with the latest legislation
- **Increase the efficiency** of your process with accurate and reliable monitoring and measuring equipment including temperature, level, flow, and more
- **Improve your plant efficiency** by upgrading to the latest control system technology
- **Reduce the risk of contamination** with FDA-compliant hose and sanitary fittings
- **Improve the efficiency** of your packaging process with motion control or robotic solutions tailored to your unique application



## Products:

- Flow measurement
- Level measurement
- Process Instrumentation
- Process valve automation
- Liquid process analytics
- UL508A control panel design & build
- Gas detection
- Industrial metal detectors
- Vessel weighing
- Checkweighers
- Industrial floor scales
- Sanitary cleaning equipment
- Precision balances
- Barcode & RFID
- Motion control
- Robotics
- End of arm tooling and end effectors
- Servo and stepper motors
- Proportional control products
- Industrial & hydraulic hose
- Hose fittings, couplings, and connectors
- Transair aluminum piping
- Leak detection

## Services:

- Equipment start-up and commissioning
- Flow meter start-up and commissioning
- Control engineering service contracts
- Process troubleshooting
- ISO 17025 accredited calibration services
- CRF Part 11 compliant calibration management software
- Measurement equipment repair and maintenance
- First article inspection
- Incoming parts inspection
- Quality sorting services
- Environmental testing
- Vibration and shipment testing
- Custom test design
- Custom automation solutions and sub-assemblies
- Application engineering and bill of materials generation assistance
- Pre-loaded PLCs and drives
- Obsolescence and retrofit assistance
- Safety services and risk assessments
- Custom hose fabrication
- Hose repair
- Inventory management

## Solutions:

- Batch control
- Control system integration
- Control system upgrades
- Legacy system migration
- Automated batching systems
- Robotic machine tending
- Robotic packaging and palletizing
- Robot-assisted inspection
- Gamp 5 FDA validation package for control systems
- Custom fixturing