

Field Service



AFi Systems: Rapid-Response Industrial Field Services

When critical equipment fails, every minute counts. AFi Systems, based in Pineville, North Carolina, offers 24/7/365 field service to get your operations back online quickly. Our experienced field service engineers are available nationwide, providing expert diagnostics, repairs, and innovative solutions for industrial electronics, servomotors, and hydraulic systems. Whether you're dealing with a breakdown in a web forming machine for conveyor belting fabrics or a batch blending machine for donuts and pastries, AFi Systems is your trusted partner for minimizing downtime and maximizing productivity.

We can do it all - One Stop Automation Partner to keep you running and maximize productivity.

Why Choose AFi Systems Field Services?

AFi Systems delivers fast, reliable field service with a customer-centric approach. Key advantages include:

- **Rapid Response:** Contact us by phone or email, and we'll schedule a field service engineer to visit your facility promptly, ensuring minimal disruption to your production schedule.
- **Comprehensive Inspections:** Our technicians assess your entire machine or equipment, identifying both electronic and mechanical issues that may not be immediately obvious.
- **On-Site and Off-Site Solutions:** Issues resolved on-site are fixed immediately; complex problems are brought back to our state-of-the-art factory for thorough repairs.



- **International Coverage:** We serve customers across the United States, supporting industries from textiles to food processing.

Field Service Process

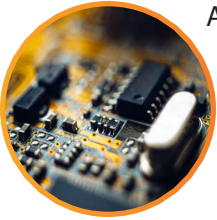
AFi Systems follows a streamlined process to ensure efficient, high-quality service:

1. **Initial Contact:** Call or email us, and our team will promptly schedule a technician to visit your facility.
2. **On-Site Assessment:** The technician conducts a thorough inspection, using advanced diagnostic tools to identify electronic, mechanical, or hydraulic issues.
3. **Immediate Repairs:** Whenever possible, repairs are completed on-site to restore operations quickly.
4. **Factory Repairs:** Complex issues are addressed at our Pineville facility, where technicians use specialized equipment for testing and repair.
5. **Testing and Validation:** Repaired components are rigorously tested to ensure reliability under real-world conditions.
6. **Follow-Up Support:** We provide detailed reports and recommendations to prevent future issues.

Specialized Field Service Offerings

AFi Systems provides a range of specialized repair services, tailored to meet the unique needs of your equipment and industry.

Electronic Repairs



AFi Systems repairs all industrial electronics, from PLCs and HMIs to sensors and circuit boards. Our technicians service electronics from any manufacturer, ensuring compatibility with existing systems. Repairs include:

- Restoring failed control modules.
- Troubleshooting communication errors in networked systems.
- Replacing damaged or outdated electronic components.

Servomotor Repairs



We specialize in repairing AC and DC servomotors, critical for precision applications in robotics, CNC machines, and automated systems. Our process includes:

- Diagnosing issues like encoder failures, bearing wear, or winding faults.
- Rebuilding or replacing damaged components.
- Testing motors under load to ensure performance matches manufacturer specifications.

Industry Applications

AFi Systems' field services support a wide range of industries, including:

- **Textiles:** Servicing web-forming machines and conveyor belting systems to ensure consistent fabric production.
- **Plastics:** Supporting extrusion, molding, and automation systems with high-precision motor and drive repairs.
- **Food and Beverage:** Repairing batch blending machines for donuts, pastries, and other processed foods to maintain safety and quality.
- **Printing and Paper:** Servicing cutters, folders, and press automation systems in print shops and paper handling operations.
- **Manufacturing:** Supporting CNC machines, robotics, and assembly lines through rapid servomotor and electronics repairs.
- **Chemicals:** Providing repair and service for pumps, mixers, and automation in chemical processing environments.

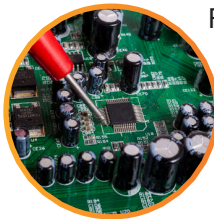
Hydraulic Repairs



AFi Systems has developed in-house, state-of-the-art equipment to test and diagnose servo, proportional, and hybrid-style hydraulic valves. Our hydraulic repair services include:

- Identifying leaks, pressure inconsistencies, or valve sticking.
- Reconditioning or replacing worn seals, spools, or solenoids.
- Calibrating valves to restore precise control.

Innovative Repairs



Finding creative solutions to complex equipment challenges is a core strength of AFi Systems. Our technicians develop custom repair strategies to address unique issues, such as:

- Retrofitting legacy systems with modern components.
- Adapting repairs to accommodate discontinued parts.
- Optimizing equipment performance to meet new production demands.
- **Utilities:** motor controls, power monitoring, flow measurement devices, pump controllers.
- **Packaging:** Restoring hydraulic and electronic systems in high-speed packaging equipment.
- **Automotive:** Addressing electronic and hydraulic issues in precision manufacturing and assembly systems.

Commitment to Excellence

AFi Systems is dedicated to delivering exceptional field service through:

- **Experienced Technicians:** Our team combines decades of expertise with ongoing training to stay current with industry advancements.
- **Advanced Tools:** State-of-the-art diagnostic and testing equipment ensures accurate repairs.
- **Customer Focus:** Transparent communication, detailed reporting, and tailored solutions keep you informed and in control.
- **24/7 Availability:** We're here when you need us, no matter the time or location.

