



**FEDERAL ENGINEERED
SYSTEMS, LLC**

ACUFILL®
Non-Contact/Net Wt.
Filling Systems



Engineered and Manufactured in the U.S.A.



THE NEXT GENERATION OF FILLERS FOR TODAY'S HIGHER STANDARDS

For more than 60 years **Federal Mfg. Co.** has manufactured the highest quality filling and capping systems.

In the same tradition **FEDERAL ENGINEERED SYSTEMS, LLC (FES)** now produces a full range of Net-Weight fillers for a wide range of industrial and sanitary applications.

Models are offered in mono-block, thru-feed and inline Net-Weight fillers; all offering the cutting-edge **AcuFill® Operating System**. Also available are FES and Federal capping turrets for mounting on fillers, free-standing units and **All Servo Drive** inline capping systems for various applications.



Aseptic Model F48/2160

Optional Machine Features

- Aseptic Design
- ASME Certified Product Reservoir
- Class 100 HEPA Enclosure
- Exterior Sanitizing System
- Product Supply Interface

Additional Products

- ESL Rotary Level Fillers
- Automated CIP/SIP Systems
- Bottle Sanitizing Systems
- Cap Sanitizing Systems
- Sterile Water & Air Systems

Sanitary Applications

- Dairy Products
- Fresh Juices
- Shelf Stable Juices
- Foods
- Edible Oils
- Pharmaceuticals



ESL Model NWK50/30.10F



Model F18F9/720

Industrial Applications

- Paints & Varnishes
- Aerosols
- Cosmetics
- Oils & Lubricants
- Liquid Cleaners
- Agricultural Chemicals

Operator Interface Software

- Graphical User-Friendly Interface
- Complete Process Monitoring
- Real Time and Historical Trending
- Statistical Process Control (SPC)
- Comprehensive Reporting
- Distributed Networking
- Recipe Management
- Remote Access Support
- Security

Additional Machine Options

- Automated CIP
- High Pressure Exterior Cleaning
- Full Enclosure with FUME Extraction
- Auto Inspection Systems
- Reject Systems

ACUFILL®

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Fill by Electronic Net Weight

Standard Features

- Microsoft Windows based HMI software run on current hardware platforms
- Damped load cells with overload protection, significantly reduces or eliminates the affects of vibration and initial fill shock
- High speed analog and digital electronics
- All computers and PLC's run on an Ethernet network offering ease of support, high speed connectivity and the ability to connect with other PLC's and computers on your network for data sharing
- Each station can be filled by weight or time
- Worldwide support utilizing the latest in secure internet access



Model F12/900

FES

FEDERAL ENGINEERED SYSTEMS, LLC

Inline Fillers with multiple filling valves to suit container sizes and speeds. Net Weight models can use load cells or mass flow meters depending on product type and speed requirements. Net-Weight models feature **Acufill®** operating systems. Inline

fillers are also available with magnetic flow meters or time based filling. FES supplies Powered Rotary Capping Turrets for mono-block fillers and as free-standing units. We also supply **Servo** powered inline capping systems to integrate with inline filling systems.



Model NWG-4/8R



Model TIP-10/VP



Model FSC19-12F



Model SHC/LI



integrated packaging machinery

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