



DataFill Transmission, Engine Oil, and Axle Fill

DataFill Transmission, Engine Oil and Axle Fill Systems offer all the tools necessary to optimize the quality and efficiency of your fluid filling process. This fill process includes:

- Fluid filtering and heating
- Volume fill
- Level sense or scavenge to level
- Purge or scavenge tool to eliminate drips

These systems can address mixed assembly lines that fill manual, automatic and CVT transmissions and require individual fluid supply, prep, and fill through individual fill tools. Our process can also fill engines and /or transmissions that are partially filled due to shipping requirements or testing residuals.

Serv-I-Quip's expertise in fluid prep, fluid measurement, and tooling design results in a high quality, efficient, and consistent process and ROI.

DataServ 3.0 has become a critical component in the measurement and improvement processes vital to factory quality control systems. This software offers the traceability, quality assurance, process control, and access to production data that manufacturing engineers now require as part of their fluid filling operations. New features of DataServ 3.0 include a Dashboard that can display multiple DataServ systems, key production values, production analysis reports, process alerts, notifications, and system events.

Product Detail

STANDARD FEATURES:

- Web based data acquisition and process control software
- Automatic process set-up, initiation, cycle completion, and return to standby
- Hand held CCD or RF bar code scanner
- Allen Bradley PLC machine control integrated with PC
- Dell PC running Windows®, 20" flat screen LCD
- Back-up Allen Bradley Panelview® Touchscreen Operator Interface
- NFPA 70E Arc Flash compliant
- Auto clamp/unclamp, dripless tooling
- Start/Stop/Reset pushbutton pendant at tool
- Level sense control for pre-filled engines or transmissions
- Volume fill
- Stainless steel flow meter verifies fill amount
- Standard or custom neck styles and port openings
- Heated storage tanks
- Continuous recirculation of fluid for dehydration
- Dedicated vacuum pumps for oil dehydration and system evacuation

- Individual scavenge pumps vent fluid pressure, adjust level, and eliminate tool dripping
- Single stage vacuum pumps with auto purging traps
- Manual backup hose reels and nozzles

CONFIGURATION OPTIONS:

- Stop station
- Mobile station
- Base station with track mounted, vehicle towed tool console
- Base station with motorized, VFD, line synchronized, track mounted tool console
- With and without dehydration, storage, and heated supply

PROCESS CYCLE OPTIONS:

- Pressure or volume fill
- Standard cycle includes:
 - Tool hookup
 - Oil fill
 - Pressure relief, level adjust, scavenge, and tool disconnect

TOOL PRESENTATION OPTIONS:

- Simple track mounted tool balancer
- Swinging boom and tool balancer
- Automatic, air actuated drop and retract balancers
- Multi-axis, automatic tool positioning
- Multi tool, automatic tool positioning

