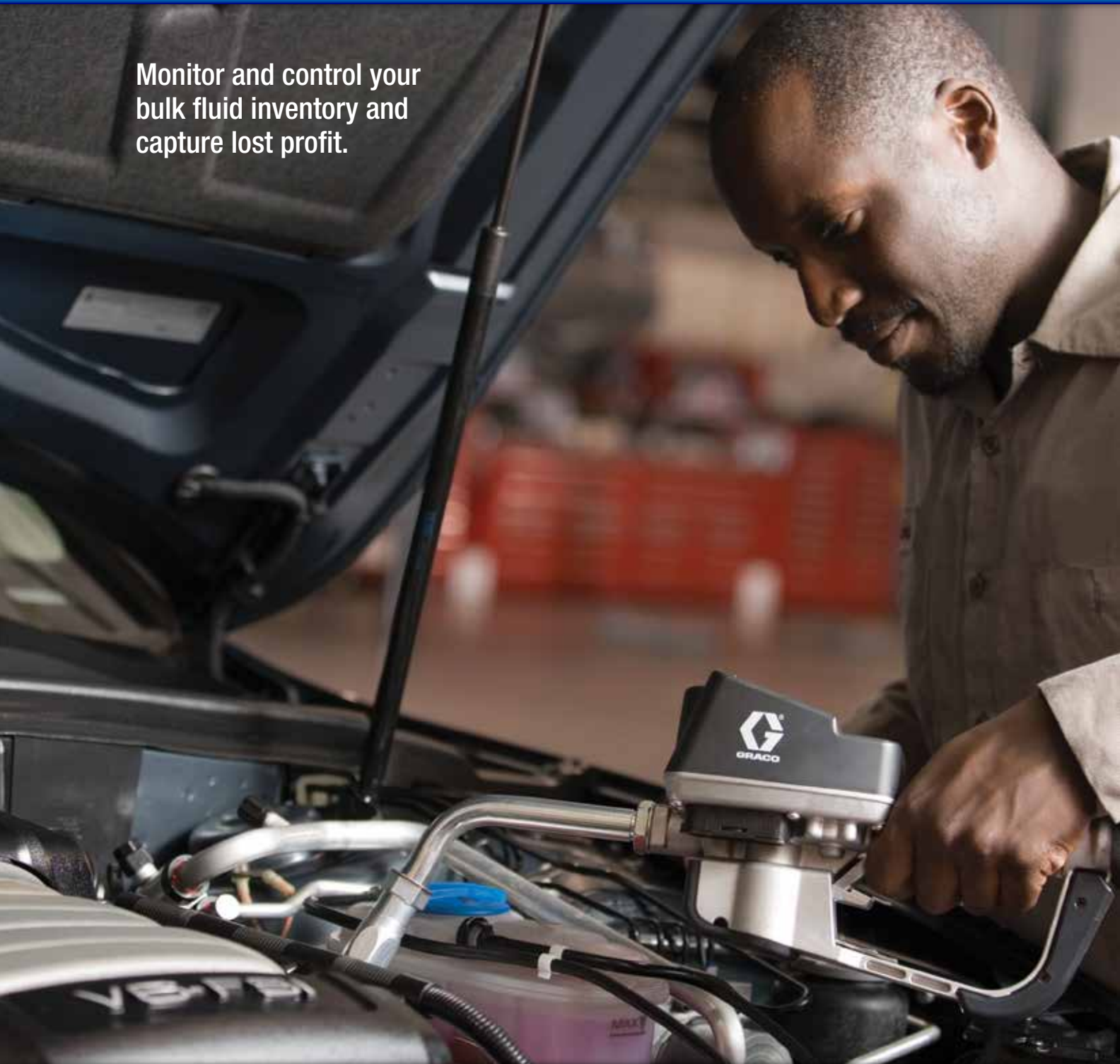


# Matrix<sup>®</sup> Total Fluid Management System<sup>™</sup>

**First Choice**  
AUTO EQUIPMENT INC.  
2212 Camplain Road  
Hillsborough, NJ 08844  
1-888-8FC-LIFT



Monitor and control your bulk fluid inventory and capture lost profit.



PROVEN QUALITY. LEADING TECHNOLOGY.

# Fluid dispense and **inventory control** at your **fingertips** for petroleum, synthetic oil products, and anti-freeze mixtures

## Track Dispense Information

User-defined warnings and notices provide real-time system status of events.

- Date and time
- Meter ID / location
- Dispense amount
- Fluid type
- Work Order



## Monitor Tank Status

Data on daily scheduled reading

- Real-time reconciliation
  - Tank location
  - Tank level

## Automatic Notification of Events

30 common notifications to choose from, typical notifications include:

- |   |  |
|---|--|
| <b>Tank Monitoring</b> <ul style="list-style-type: none"> <li>• Reclaim tank full</li> <li>• Supply tank low</li> </ul> | <b>Meter Monitoring</b> <ul style="list-style-type: none"> <li>• Dispense start/complete</li> <li>• Battery low warning</li> </ul> |
| <b>General Events</b> <ul style="list-style-type: none"> <li>• Work order posting</li> </ul>                            | <ul style="list-style-type: none"> <li>• Email notice</li> </ul>   |



## Dispense History Reporting

User-defined customized reports (varies by software chosen)

- Date, meter ID, fluid, amount, work order, etc
- Premier version includes technician activity
- Create as .pdf or .csv Excel™ file type

## Meter Status

Data on specific meter

- Work order status
- Dispense history
  - Date, fluid, amount, work order
- Edit dispense notes



# Maximize Profits with Matrix®

## Inventory Control

From the storage tanks to the metered dispensers, a Matrix system will capture and monitor every bulk fluid transaction. With user-defined security levels, you can manage access and ensure accountability for every fill and dispense. The supervision of your inventory will become a worry-free operation.

## Service Shop Efficiencies

Matrix high flow dispense meters will reduce dispensing time and help your shop throughput. These intelligent dispense meters move data processing power out to the service bay for paperless transactions and dispense record generation. You'll limit the time-consuming interaction between parts and service departments and improve your fixed operations performance.

## Accurate Accounting

Across the organization, from the accounting office to the parts room, every department is able to access and share the dispense data created by Matrix. This data can be leveraged to ensure every quart or pint is accurately accounted and billed.



## The Matrix Advantage

The Matrix Total Fluid Management System is wireless. We've made it easy to install so you get up and running fast. Plus, if your business grows, Matrix can grow with you. It's modular so expanding as your needs grow is easy. Compare Matrix to other systems and you'll see Matrix has the clear advantage.



### Wireless:

- High frequency wireless transmission for optimal coverage and signal strength
- 2.4 GHz radio platform approved for use world-wide use with CE, FCC, C-Tick, IC approvals
- Capable of capturing dispense data from "roll-around" tanks

### PC Based:

- Easy to install *Windows* PC based operating systems
- Compatible with XP, Vista, *Windows 7* and *Windows 8* PC platforms and *Windows 2003* and *Windows 2008 (R2)* server platforms

Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

### Automated:

- Real-time monitoring and feedback of your operation
- Event logs provide time and date stamp of every event
- Scheduled e-mail notification on tank levels
- Pop up alarms or messages for tank levels, low batteries and other user-defined events





Roll Around

### Mobile Capability

Monitor your "roll-around" inventory—Matrix wireless dispense meters need only to be within range of the transceiver to gain control of your 'roll around' dispensers. Secure access to your expensive drums of synthetic and semi-synthetic fluids.

1

### Matrix™ Meter

Intelligent reporting right at the meter is a labor savings breakthrough. Pin code activation via the meters keypad, recognizes technician. Dispense data can be connected directly to the work order from the service bay.

5

### Transceiver

Listens and communicates with the wireless devices located within reception range. Minimize interference with adjustable frequency range. Operates with IEEE 802.15.4 wireless protocol assures no Wi-Fi vulnerability.

2

### Software



4

### Tank Level Monitor

Schedule a daily reading and receive e-mail notices on the status of your tanks. Remove worry about your supply tanks running low or the reclaim tanks getting full.

3

### Pump Air Control

Prevents unauthorized access to the fluid inventory. Enables pump operation only when a dispense meter has been activated and ready to dispense.

## 1 Matrix™ Meter

### Accurate and Intelligent

- Innovative oval gear design improves accuracy over a wide range of flow rates and viscosities
- Performs at up to 1,500 psi (102 bar) fluid pressure for longer plumbing runs in larger facilities
- Intelligent one-button key pad puts the technician in control right from the dispenser
- Variable flow trigger for better control in tight spaces
- High flow rate (up to 14 gpm/51 lpm) shortens dispense time
- Up to three scalable presets for quick dispense of common volumes
- Programmable in quarts, pints, gallons and liters
- Seven year warranty (three years on electronics)



## 2 Software

### Gateway to Your Data

- Windows compatible with XP, Vista, Windows 7 or Windows 8, Windows 2003 or 2008 Server
- Installed as either a single PC application (non-network) or Server/Client PC application (network)
- Real-time run screens provide a summary view of the recent dispense and tank transactions
- Configurable to support the needs of your unique shop operation—reports, notifications, e-mails, work-orders, global work orders, user privileges and security levels are user defined
- Certified for interfacing with common Dealer Management Software providers: Reynolds and Reynolds, CDK Global (formally ADP) and Procede Software



## 3 Pump Air Control

### Asset Protection

- When highest level of security is needed, locks down access to the fluid tank by keeping pumps inoperable until a "call to dispense" signal has been sent
- Since pump air supply is shut off, removes worry about spills and expensive clean up if a broken line should occur



## 4 Tank Monitor

### Remote Sentry

- Accurate ultrasonic sensor is scheduled to give you a daily report of the tank level.
- Easily configured to send e-mail notices on tank levels to managers, bulk suppliers, and recycling vendors
- Battery-operated for remote operation and simple installation
- Installs easily by threading into the two inch NPT bung on the tank
- Includes a vertical port for mounting a vent/breather



## 5 Transceiver

### Communication Conduit

- Facilitates high-speed communication between the USB ports on the PC and the wireless devices in the shop (dispense meters, tank monitors, and pump air controls)
- Powerful device can transmit and receive (up to 300 ft/100 m range), for optimal wireless communication
- Easily scalable for multi-floor or multi-building facilities as the wireless broadcast coverage is extended or expanded by installing up to eight transceivers



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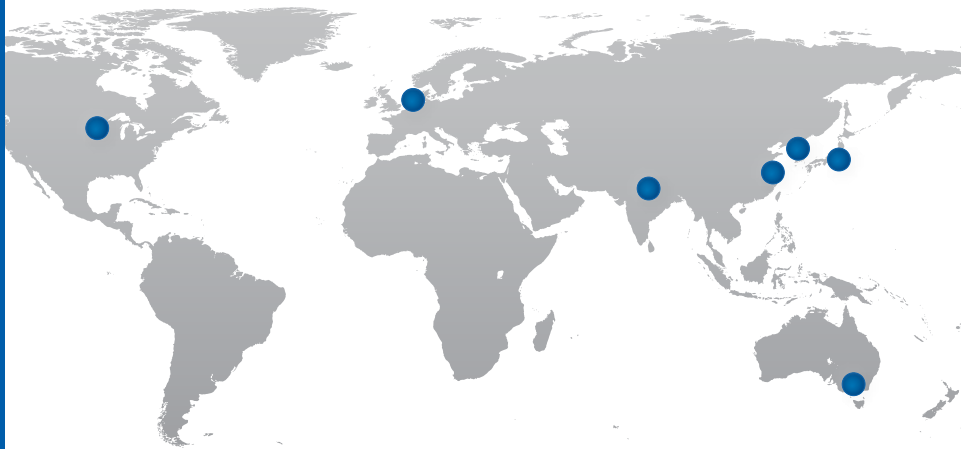
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Graco has a broad range of products to provide solutions that meet your needs. Our products are engineered and tested to perform in the harshest environments so you can be certain your equipment is protected and working at peak performance.

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