



CELEBRATING



YEAR

# SATYAM

## Matrix Wireless Oil Management System

Head Off: Plot No.29, Najafgarh Road, Moti Nagar, New Delhi- 15.  
Phone: 9310047111. Email: [info@satyamzone.com](mailto:info@satyamzone.com), [satyam@satyamzone.com](mailto:satyam@satyamzone.com)  
Service: 93121-45109 [service@satyamzone.com](mailto:service@satyamzone.com)



# INTRODUCTION

- Oil dispensing systems are used for delivering various types of oils from their original containers to an application point where the oil can be dispensed either on to an assembly such as an engine or gearbox.
- Oils with a wide range of viscosities can be processed in this way by SATYAM- Matrix Wireless oil dispensing systems, from low to high level.
- Oil is dispensed thru Piston Pumps by the means of compressed air.
- Application is fully automatic, Wireless and hassle free from cabling and electronic components.



# Why Do You Need Automated Lube System In Workshop?

## Challenges

- ◆ Too many Manual set up of for oil Dispensing and waste oil discharge
- ◆ Lack of accountability & Extra Manpower used
- ◆ Spillage on floor , bay area leading to unsafe and poor aesthetics of workshop.
- ◆ Accuracy , contamination in oil can bring effect on engine performance.
- ◆ High manpower, Low productivity due to time waste, Low efficiency.
- ◆ Result- Oil loss up to 10% , Unsafe and high Idle time cost.

Every liter of fresh oil you loose Rs 200 (approx).

## Single window Solution

✓ Satyam Matrix Wireless oil dispensing system for Fresh oil

We guarantee you Min Saving of 10% on fresh oil as direct revenue.

Less Manpower, Complete tracking & Accountability, Improved efficiency are indirect revenue or benefits

ROI = 5-6 months.





Piston Pump



Matrix Meter

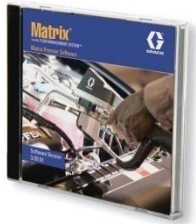


Hose Reel



Transceiver

## Hardware and Software



Operating Software



Filter, Regulator, Lubricator (FRL)



PU Coiled Hose



Optional - Pump Air Control (PAC)



Optional - Tank Level Monitor (TLM)

No Wire Not much electrical components, Scalable at anywhere with less time and less Cost

## Technical details – Satyam Matrix Wireless Oil Management System

S. No.	Description	Usage
1.	Heavy Duty Piston Pump with Bung Adaptor Extension Pipe, Check Valve	Fitted on standard Barrel, in place of Manual Pump for throwing Oil.
2.	Matrix Wireless Meter	For PC monitoring and calculate the volume of oil dispensed and provide data outputs for records keeping.
3.	Oil Hose Reel	For Transferring Oil Directly in the Car.
4.	Non Dip Proof Control Handle with Shut Off valve add on features	It ensures zero leakage from the system thus enhancing utilization and improving the house Keeping.
5.	Tranceiver and Cable with RS-422 converter	Communicating device between PC and Meter.
6.	Filter Regulator with Gauge + PU Hose +Adaptor Set + High Pressure Connecting Hose	For Air supply to Pump and For Connections.
7.	Layout of Automatic Oil Dispenser.	For better presentation among Customers.

### **Technician**

- Pin based accountability
- Track through job card or individual entry
- Preset and Top up
- Saving in dispense time through direct fill in engine
- Multi – dispense at one time

### **Store person**

- Can upload all job cards
- Keep control through part room authorization
- Track every dispense , work order / job card / vehicle wise / technician wise/ date and time stamp etc
- Reconcile automatically with dispense MIS

## **Wireless Benefits**

### **Owner**

- Complete tracking of oil , hence saving from wastage
- Increase in productivity of Technician and stores
- Give modern look to Workshop
- Saving from Spillage and human error
- Save Space as lube room can be kept any unutilized area
- Add new station of same grade of oil in half cost (scalable)
- Create station anywhere with mobile facility

### **Management**

- DMS compatible – Integrate with DMS and track every oil dispense workshop wise
- Zero contamination , hence higher engine life
- Track correct dispense and top ups per vehicle
- Bring process quality and standardization in OIL management

# Cost Advantages of Wireless Technology for Indian operations

## COST OF OPERATIONS - LOW

- Easy to install, Easy to maintain.
- Very few components like Wireless meter, Transceiver, Piston pump, Software and rotating hose reel. All come with One year warranty and extendable on AMC contract
- Low training cost - System can be used by unskilled technician also
- No electrical components – Hence no breakdowns and wear & tear cost

## EXPANSION COST – LOW

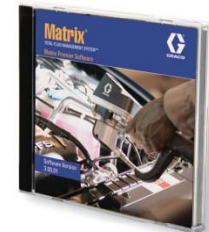
- Every new station of same grade oil will cost “Half of original cost”
- Carry on Mobile with Mobile wireless System.

## EFFICIENCY OF OPERATIONS – HIGH

- Every single drop is recorded, hence proper planning and control of oil, DMS compliant software.
- Multi – Dispensing at one time which is not in other wired dispensing set up, Hence more productivity.
- Zero contamination , hence longer life to Engine.
- Technician stickiness to bay means more productivity per hour hence more billing.
- Service guarantee as per SLA from Satyam team for PAN India.

# THIRD PARTY INTERFACES

- Matrix Premier and Professional software platforms will accommodate a third-party interface
- Third-party interface scope
  - Validate work order in the DMS to authorize dispense from Matrix
  - Post work order dispense information to work order automatically when dispense ends
  - Other functions desired by end user
  - Manuals define interface requirements



Automate collection of data - interact with business software





# Dispense History Reporting

<b>BASIC</b>	<b>PROFESSIONAL</b>	<b>PREMIER</b>
Timestamp	Timestamp	Timestamp
Dispense Amount	Dispense Amount	Dispense Amount
Work Order	Work Order	Work Order
Job Code	Job Code	Job Code
Meter Name	Meter Name	Meter Name
Fluid Name	Fluid Name	Fluid Name
		Battery % Remain
		Vehicle ID
		Vehicle Group
		Group Name
		Technician
		Tank Name
Cannot Filter	Cannot Filter	Ability to filter certain data
Cannot Save Filter	Cannot Save Filter	Ability to save filter

We provide Premier Software as part of standard system for Indian Market



# SATYAM Matrix Wireless Oil Management System Clients



Triumph Hyundai, FBD



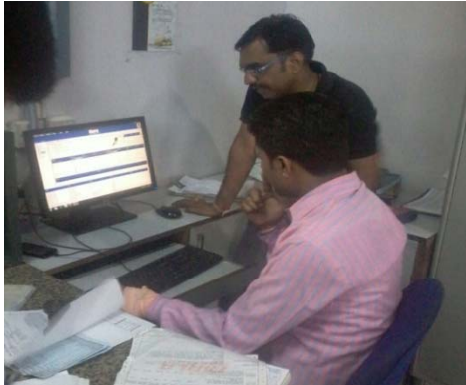
Platinum NEXA, Mathura Road



Rana Motors, Gurgaon



Padam Chevrolet, CHD



Ganganagar Auto, Kota



Sparsh Chevrolet, Dwarka



Pasco Motors, Fbd



Capital Hyundai, Noida



Prime Honda, Vaishali



Deep Hyundai, Mundka



Pascos, G.T.K. Road



Prime Honda, Delhi

# Automation at DTC Depots- SATYAM Centralized Lube Station



DTC Depot, Tehkhand



DTC Depot, Gajipur



DTC Depot, Sukhdev Vihar



DTC Depot, Nand Nagri



DTC Depot, Dwarka



DTC Depot, Wazirpur



DTC Depot, Mayapuri



DTC Depot, Kanjhawla



DTC Depot, Hasanpur



DTC Depot, Subhash Place



DTC Depot, Ambedkar Nagar



DTC Depot, Sarogini Nagar

# THANK YOU

For more information, contact:

## **SATYAM INTERNATIONAL**

Ms. Monika

(Manager -Backend)

Phone: 93100-47111

E-mail: [satyam@satyamzone.com](mailto:satyam@satyamzone.com)  
[info@satyamzone.com](mailto:info@satyamzone.com)

Head Off: Plot No.29, Najafgarh Road, Moti Nagar, New Delhi- 15.

Phone: 9310447111

Service Helpline: 9312145109, [service@satyamzone.com](mailto:service@satyamzone.com)

Visit Us: [www.satyamzone.com](http://www.satyamzone.com)

