BINVENTORY

Simplify inventory management with an all-inclusive PC-based software networked on your company's LAN, WAN, or VPN. A great alternative to PLC, HMI, and SCADA systems that requires no special programming or added costs and components.

Simple Inventory Management Software for All Your Sensors

Binventory® is a robust inventory management PC software from BinMaster. Monitor the level of both solids and liquids in bins, tanks, or silos from one platform. With Binventory all the programming is already done. There are no extra components to buy and no special skills needed. Simply enter the bin and material parameters and it is ready-to-go, right out of the box. You can even configure complex vessels of different shapes and sizes, such as horizontal tanks, split silos, and non-linear tanks using a simple wizard.

Binventory works with many BinMaster sensors including SmartBob cable-based sensors, non-contact-radar, guided wave radar, 3D scanners, and ultrasonic used for level measurement. When you want even more inventory accuracy, bulk densities and strapping tables can be entered for solids, while entering specific gravity for liquid tanks ensures spot-on volumes.

Get automated alerts, inventory levels, and historical reports from up to 100 vessels on your PC or tablet. Share data from Binventory with your vendors for VMI and authorized users in production, purchasing, and finance. It is simple to use and requires no special training or support, so it eliminates labor-intensive manual reporting and reduces interruptions to your workday.

Binventory can be used at one location or across an entire company using its multi-site feature. All you need is access to your company LAN, WAN, or VPN. If someone needs a current reading from a vessel, they can simply click on the "get reading" button. Everyone saves time and stops climbing to measure each bin, making it safer while optimizing inventory levels and storage capacity. You will find that Binventory is a highly affordable, one-time purchase of inventory tracking for any size operation.

BINMASTER®
www.binmaster.com

Modbus Sensor Compatibility

Binventory® is compatible with SmartBobs, the NCR-80 and CNCR non-contact radar, guided wave radar, ultrasonic, and the 3DLevelScanner using Modbus/RTU.
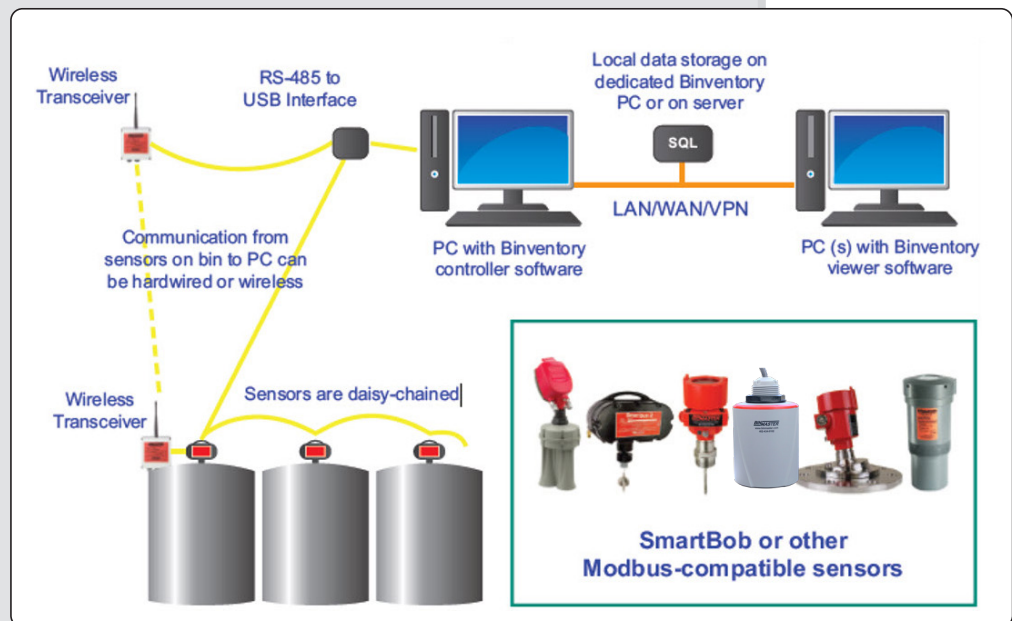

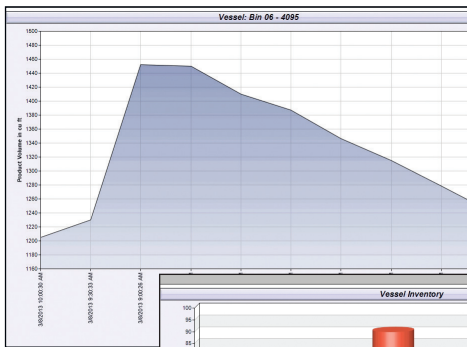| 3D Scanner | SmartBob | GWR-2000 | CNCR-190 | NCR-80 | Ultrasonic |

Secure Local Configuration

- Dedicated PC functions as the Binventory® host/controller PC, and is connected to sensors using RS-485 communications or wireless transceivers

- Host/controller PC connects to a LAN, WAN, or VPN to allow access by other computers on the same network

- Measurement history and system parameters are stored in a SQL database, either locally on the host PC or on a corporate server

- Viewer software is installed on other PCs on the network and access the SQL database to view measurement data or system parameters

Wireless Transceiver

RS-485 to USB Interface

Local data storage on dedicated Binventory PC or on server

SQL

LAN/WAN/VPN

PC with Binventory controller software

PC (s) with Binventory viewer software

Communication from sensors on bin to PC can be hardwired or wireless

Wireless Transceiver

Sensors are daisy-chained

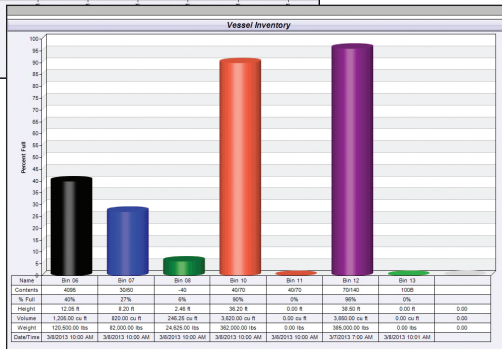SmartBob or other Modbus-compatible sensors

Binventory® software saves valuable time and helps control costs. Monitoring vessel levels remotely eliminates the need to manually visit each site to read vessel levels. Sharing data in real time enhances communication between people at different locations and lets them to make informed decisions. Binventory reports provide information at a glance, while documenting valuable historical records.

SAVE
TIME&MONEY

Silo Trend Report

Silo Inventory Report

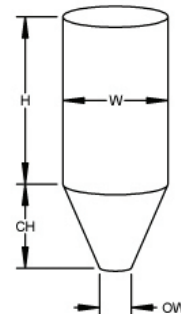| Name	Bin 06	Bin 07	Bin 08	Bin 10	Bin 11	Bin 12	Bin 13
Contents	4095	30/60	-40	40/70	40/70	70/140	1008
% Full	40%	27%	6%	90%	0%	98%	0%
Height	12.05 ft	8.20 ft	2.48 ft	36.20 ft	0.00 ft	38.50 ft	0.00 ft	0.00
Volume	1,205.00 cu ft	820.00 cu ft	246.25 cu ft	3,620.00 cu ft	0.00 cu ft	3,890.00 cu ft	0.00 cu ft	0.00
Weight	120,500.00 lbs	82,000.00 lbs	24,625.00 lbs	362,000.00 lbs	0.00 lbs	389,000.00 lbs	0.00 lbs	0.00
Date/Time	3/8/2013 10:00 AM	3/8/2013 10:00 AM	3/8/2013 10:00 AM	3/8/2013 10:00 AM	3/8/2013 10:00 AM	3/7/2013 7:00 AM	3/8/2013 10:01 AM	0.00

- Monitor vessel levels in real time to help optimize vessel levels for maximum storage capacity

- Share information with managers or vendors at multiple locations simultaneously, providing better information for decision making

- Cost-effective as it requires minimal manpower, no third party applications and no monthly access fees

- No need to continually and manually take vessel measurements – no climbing to the top of vessels to make visual readings of levels
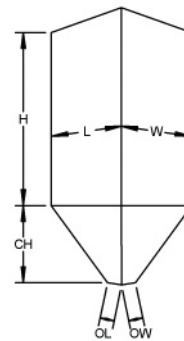
Measure Liquids or Solids in Any Vessel

Binventory® supports any shape, type, and size of vessel. You can choose from the following vessel types or configure your own:
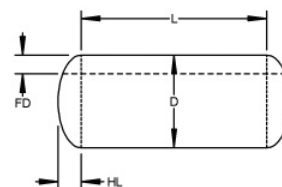
- **Vertical cylinders with conical, hemispherical, dished, or ellipsoidal heads**

- **Horizontal cylinders with hemispherical, dished, ellipsoidal or conical heads**

- **Rectangular vessels with or without chutes**

- **Vertical or horizontal oval-shaped vessels**

- **Spherical or round vessels**

- **Custom vessels configured using a lookup table**

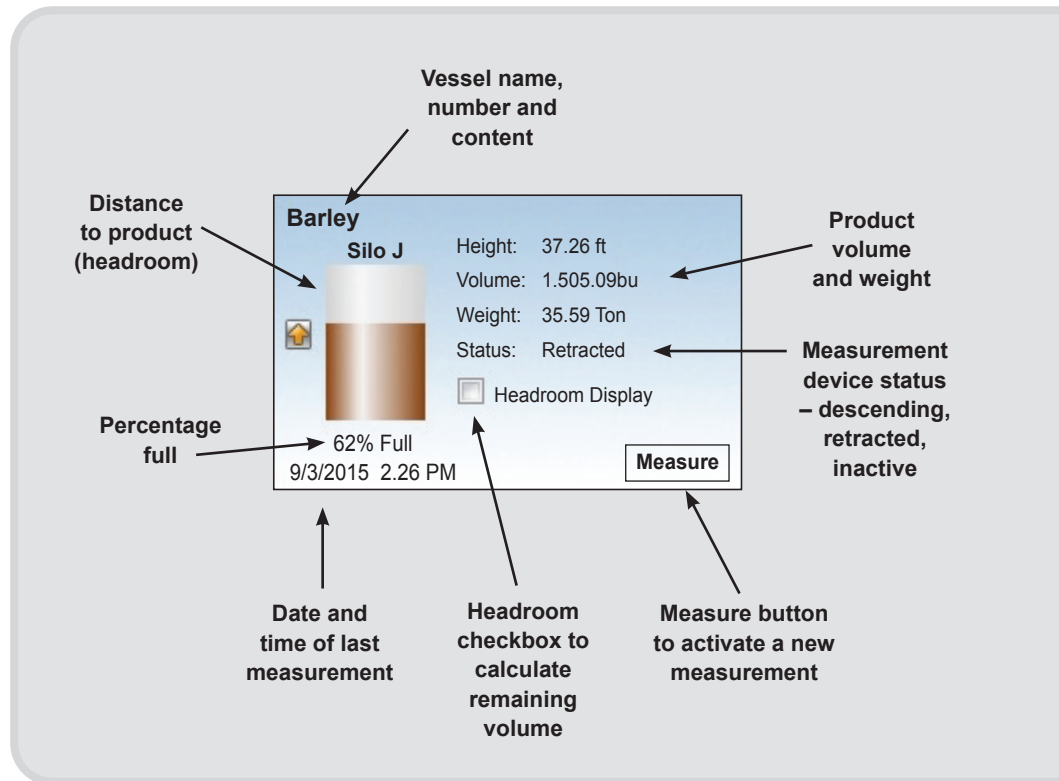**Vertical Cylinder**

Rectangle with Chute

Horizontal Cylinder

Graphical Monitoring for up to 100 Vessels

Binventory® is a valuable and versatile tool for most any industry and is cost-effective for operations both large and small. It is highly scalable and flexible for operations monitoring solids, powders, or liquids or a combination of materials.

Industry Applications

- Grain, seed, and feed
- Food and beverage processing
- Ethanol and bioenergy
- Power plants
- Aggregates and cement
- Concrete batch plants
- Mining operations
- Metal manufacturing
- Chemical processing
- Plastics and resins
- Pulp, paper, or wood pellets

Vessel name, number and content

Distance to product (headroom)

Barley
Silo J

Height: 37.26 ft
Volume: 1.505.09bu
Weight: 35.59 Ton
Status: Retracted

☐ Headroom Display

62% Full
9/3/2015 2.26 PM

Measure

Product volume and weight

Measurement device status – descending, retracted, inactive

Percentage full

Date and time of last measurement

Headroom checkbox to calculate remaining volume

Measure button to activate a new measurement

One-Time Setup Made Simple

- Automated email for alarm notifications; email detailed inventories at scheduled times
- Windows software compatible installs securely on your network
  - View data for an individual vessel, a select group of vessels, or all vessels
  - Activate instant readings or program automatic measurements
  - Set programmable alarms for high / low levels or "time to replenish"
  - Network and wireless options available for sensor communications