



SiloSpi



Bin Monitoring Solution

MAKING MILLS SAFER MAKING BINS SMARTER



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Making Mills Safer, Making Bins Smarter

Gain real-time visibility of your bin inventory levels with our intelligent monitoring technology. Our patented self-cleaning sensor ensures unmatched accuracy and reliability - all at a budget-friendly price.

No climbing, no spreadsheets, just reliable data at your fingertips.

KEY FEATURES

Stock Quality Control

Measures contents of bins up to 130ft (40 meters) tall

Self Cleaning

Patent protected self-cleaning sensor technology with no moving parts

Real Time Data

Real time monitoring, with low level alerts direct to your email and cell phone

Wireless & Easy

No complex wiring or software requirements

Remotely Monitored Service

Secure data accessible from a web browser or integrated into your process control software via an API

Product Design

Durable, weather resistant and built to withstand harsh industrial environments

KEY BENEFITS

Cost Saving

Most cost-effective solution on the market.

Increased Safety

No more climbing: work safer and smarter

Density Calibration

Ability to recalibrate automatically based on material density

Reduced Manual Checking

Improved process control and inventory management

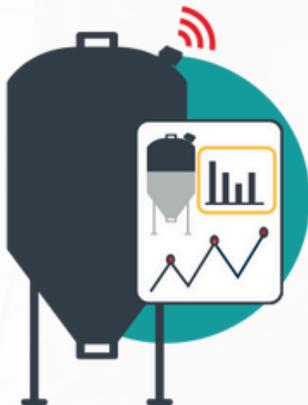
Easy to Install

Installation possible on any type of bin or silo

Predict Inventory Run Out

Anticipate inventory needs with precision.

HOW IT WORKS



Top Mounted Installation

SiloSpi is installed at the top of the bin



Wireless Data Transmission

Data transmitted without need for any wiring



Remote Access & Multi-User Support

Access the data anytime via desktop or cell phone. Multiple users enabled

Customizable Alerts

Low-level alarm triggers automatic notifications to designated users

HOW SILOSPI IMPROVES THE BOTTOM LINE

Potential cost reductions for a 40 bin mill in a typical month

	\$
Labor Costs	
Bin Dropping 3 person hours per day at \$25.00 p/h	2,000
Trip / Fall / Medical Operator slips on a ladder: Out of work for a week on paid leave and requires medical attention	3,000
Operational Costs	
Production Downtime Idle machinery and labor results in lost revenue	2,000
Emergency Sourcing Costs Late purchase of raw materials come at increased costs	2,000
Waiting Trucks delayed in load dispatch due to material run-out: 400 hrs p/m @ \$40.00 p/h	16,000
Operational Inefficiencies Substitute ingredients raise R&D costs and may reduce feed quality, risking complaints. Production issues could also force costly reprocessing	2,000
Total	27,000

MONEY SAVED
USING SILOSPI
\$27,000
per month

7x ROI
over a 3 year
period

TECHNICAL SPECIFICATIONS

Dimensions/Weight	Diameter 11.5" (28cm), Height (above bin) 4.5" (11.5cm), Weight <5lb (2.5kg)
Housing Material	ASA Resin (Acrylonitrile Styrene Acrylate)
Operating Temperature	-31°F to 115°F (-30°C to 45°C)
Humidity	0 - 100% Non-condensing
Environmental Protection	Nema 4x equivalent (IP66)
Laser Sensor	Laser Class II, Electrical Levels DC 2.2 - 3.3V
Dust Protection	Operating Air Pressure - Up to 90psi (6 bar)
Accuracy/Resolution	Laser Accuracy +/- 1mm absolute
Data Rates	Max 20 mins reporting interval
Power Requirements	Max 500mA

CONFIGURATION OPTIONS

External Connection	NEMA 6P (IP68) Cable Gland (side and bottom) for power and air connection
Communications	LPWA (low-power, wide-area) wireless network technology
Antenna	Internal with option for antenna coupler with SMA connector to allow connection of an external GSM antenna
Fixing/Mounting	Screw mounts (6) various options depending on situation



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**To learn more about the SiloSpi solution,
contact us for a personal meeting:**

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