

WHAT IS THE TECHNO-SOCIAL REVOLUTION?

As organizations polish Industry 4.0 tools and processes, a new focus has emerged to define ways to benefit employees, sustainability, fairness, and human interactions. Industry 5.0, in some ways, benefits from 4.0 achievements automation and process improvements. Industry 5.0 points to sustainable, human-centric goals and asks, “are we supporting future societal values?”



Plugin
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KEYWORDS
grain bins, concrete silos, bulk measurement, food industry

OBJECTIVE
Learn to combine sensor and software technology to automate level measurement.

CONSIDER
Manual bulk measurement is risky, material overflow costly, and labor short.

ONLINE
<https://www.binmaster.com/products/continuous-level/3d-level-scanner.html>

 <https://www.binmaster.com/support/sales/contact-form>



Industry 5.0 includes cultural buy-in

As organizations polish Industry 4.0 tools and processes, a new focus has emerged to define ways to benefit employees, sustainability, fairness, and human interactions. **Industry 5.0, here we come!**

Industry 5.0, in some ways, benefits from 4.0 achievements automation and process improvements. Industry 5.0 points to sustainable, human-centric goals and asks, “are we supporting future societal values?”

Industry 5.0 values, defined by European Commission:

- Human-centric: promotes talents, diversity, and empowerment.
- Resilient: agile and resilient with flexible and adaptable technology.
- Sustainable: leading action on sustainability and respects planetary boundaries.

Working towards Industry 5.0 one might ask:

- Do we prioritize the wellbeing of workers as the center of our production?
- Are we working towards a time where machines and human work in symbiosis?
- Are we resilient and able to provide prosperity?
- Does our production respect the boundaries of our planet?
- Are we focused on research and innovation?
- Do we need new Industry 5.0 technology?

Industry 5.0 technology goals:

- Human-machine interaction technology to connect strengths of humans and machines.
- Bio-inspired tech and recyclable smart materials with embedded sensors.
- Digital twins and simulation modeling replicate what happens to a product in the real world.
- Data-transmission, storage, and analysis to handle data and system interoperability.
- Artificial intelligence to create actionable results.
- Technology for energy efficiency, renewables, storage, and autonomy.

Are BinMaster sensors and software tools for 4.0 or 5.0?

Simply, BinMaster bulk material inventory systems meet both Industry 4.0 and 5.0 goals. While it seems a sales pitch, the systems match multiple goals mentioned, consider:

- Human-centric: BinCloud inventory software brings storage silo level measurements to employee’s phones and PC. In short, sensors and BinCloud software replace physical work like climbing a ladder to measure a silo and provide data reports so employees can easily make great decisions.
- Resilient: Rather than help withstand adverse events, BinMaster systems can prevent problems like overfills and un-planned orders due to lack of information.
- Sustainability: BinMaster sensors and software provide accurate bulk material measurements to reduce waste and energy use in the long haul.

It’s easy to justify

As companies ask the tough questions, it’s nice to have a simple answer. Answering Industry 4.0 goals BinMaster Bulk Inventory Systems automate physical work, boost safety, ease worker shortage and provide a good return-on-investment. For Industry 5.0, you can get employees off a ladder and provide a perfect symbiotic tool where sensors measure and people decide. Sensor and software setup is what we do. Reach out to BinMaster for your system today.



Reference:
Xun Xu, Yuqian Lu, Birgit Vogel-Heuser, Lihui Wang, Industry 4.0 and Industry 5.0—Inception, conception and perception, *Journal of Manufacturing Systems*, V61, 2021, p530-535