Sentinel

SHEKEL

Gravity
EMPOWERED

6TH DECADE OF RELENTLESS INNOVATION

Leveraging a powerful fusion of five decades of second-to-none weighing expertise with cutting-edge AI-powered algorithms to drive the digital transformation of traditional retail, healthcare & industrial venue's daily tasks & challenges

1970's
SHEKEL Electronic Scales

01 1971: Founded as Electronics Beit-Keshet, pioneering in electronics assembly.

02 1971: First electronic board production for Motorola, Scitex, and Israel Aerospace Industries.

03 1971: Establishing a foundation in precision electronics.

04 1977: Rebranded as "Shekel Electronic Scales".

05 1977: Transitioning from analog to digital scales – driving higher precision and accuracy.

06 1979: Acquiring weighing scale technology from Azben Co.

1980's
SHEKEL Electronic Scales

01 1980: Breakthrough Internationally to 30 countries with inaugural retail scale products.

02 1982: Revolutionized point-of-sale technology by developing direct communication between retail scale and electronic cash register.

03 1983: Expanded into healthcare with our innovative first baby scales.

04 1984/1986: Breakthrough the industrial market indicators and launched the first incubator scale for premature babies (Air shilds). Sign exclusive local distribution agreement with Datalogic barcode scanners.

05 1987: Released cilo and coin counting scales.

06 1988: Acquired "Moznei Haaretz" to strengthen the industrial market presence.

1990's
SHEKEL Electronic Scales

01 1990: Gaining retail local market share with tailored weighing solutions.

02 1990: Launched the pioneering self-checkout system for Optimal Robotics.

03 1992: Establishing our in-house load cell factory, Beket.

04 1995: Expanded incubators sales to Draeger and the first scanner scale for Spectra-Physics.

05 1998: Positioning Shekel as a global leader in weighing systems with the invention of Shekel's multi-bit Sigma Delta technology

2000's
SHEKEL

01 2000: Enhanced travel efficiency by installing our advanced baggage scales at Ben Gurion International Airport.

02 2005: Pioneered medical scales with USB communication, integrating healthcare with digital technology.

03 2006: Introduced the chiropractor analyzer, featuring advanced location and motion algorithms.

04 2007: Expanding incubator scales sales to GE Healthcare.

05 2008: Rebranded as Shekel Scales Ltd, reinforcing our commitment to precision in weighing technologies.

06 2008: Launched the "Healthweigh" medical product line, featuring advanced "motion trap" algorithms for accurate, rapid-response measurements.

2010's
SHEKEL

01 2012: Expanded global manufacturing footprint with a new assembly factory in China.

02 2012: Launched Shekel's full medical product lineup with award-winning design, advanced algorithms, and real-time data connectivity.

03 2014: Entered the global retail market with advanced weighing solutions for major companies like Data Logic, Wincor Nixdorf, Fujitsu, and IBM.

04 2015: Innovated retail by introducing "smart shelves" technology.

05 2017: Advanced our technology with recognition algorithms and cloud-based monitoring for diverse applications.

06 2018: IPO in the Australian Stock Exchange

07 2018: Earned North American certification for pioneering AWI scale technology.

2020's
SHEKEL

01 2020: Innovative Retail Worldwide

02 2020: Celebrated 50 years "scale up" retail solutions combining fast weighing and advanced product recognition technologies.

03 2021: Penetrating the Smart Cart market with CUST2MATE

04 2022: Establish the first fully Autonomous Stores with Atos & Legardere

05 2024: Penetrating the vending and food service markets with Innovendi Elite product

Doing Magic With **GRAVITY**

SHEKEL RETAIL ACTIVITY AT A GLANCE

Gravity EMPOWERED

Market Solution

WEIGHT **RECOGNITION** **DATA**

Est. 1971

1990's: 25+ YEARS OF MARKET DOMINATION ▶ **2018:** WEIGHT + AI = AUTOMATED SKU RECOGNITION ▶ **2023:** REAL-TIME SHELF INSIGHTS

Shekel Product

Scale-up POS	Scale-up Scanner	Scale-up cooler	Scale-up bay	Scale-up cart	Shekel Cloud

Key Customers

TOSHIBA / FUJITSU	DATALOGIC / ZEBRA TECHNOLOGIES	Imbera / minusforty a Due North brand	Atos / GK	CUST2MATE / wanzl	U·S·T / HITACHI

GRANTED PATENTS: 11 (USA, EUROPE, AUSTRALIA, ISRAEL, CHINA)   **PENDING PATENTS: 21 (USA, CANADA, EUROPE, AUSTRALIA, ISRAEL, JAPAN, CHINA, WORLD)**

Doing Magic With Gravity

Sentinel

- Transforms almost any retail shelving into a secure self-shopping solution.

- Control shrinkage, protect scan-and-go zones, and minimize out-of-shelf losses without replacing existing shelves. This brings positive ROI to Autonomous stores.

- A non-intrusive, robust security layer that finally makes self-shopping stores profitable.

- **"Revolutionize Retail: Secure, Streamline, and Profit with Shekel's Smart Shelf Solution!"**

Sentinel: Makes Standard Shelves Smart - Easily

Shekel's Sentinel is a cutting-edge retail security add-on designed for existing grocery shelf arrays.

Using WeightAI technology, Sentinel translates on-shelf events into SKU validation or recognition based on specific use-case needs.

Sentinel helps reduce shrinkage, maintain on-shelf availability, and foster a secure, customer-friendly shopping environment for shoppers and retailers.

Enhanced Theft Prevention: Real-time weight tracking minimizes shrinkage and flags suspicious activity.

Sentinel: Highlights

- **Enabling Accurate Inventory:** Live data optimizes stock management and restocking efficiency.
- **Scalable Design:** Fits seamlessly into both small and large retail spaces.
- **Cost-Saving Innovative Technology:** The most cost-effective way to monitor a store's shelf events
- **High Capacity & Precision:** Handles up to 400 kg with 20g SKU accuracy.
- **Rapid Detection:** Detects shelf events in under 0.5 seconds.

Target Customers and Their Needs

Retailers

- Grocery stores
- Convenience stores
- Specialty retail outlets
- Autonomous stores

Key Needs

- **Autonomous Transition:** Tools to retrofit existing retail spaces into autonomous shopping environments without major infrastructure changes.
- **Shrinkage Control:** Effective measures to reduce product loss due to theft or mishandling.
- **Seamless Integration:** Solutions that integrate easily with existing store systems and layouts.
- **Operational Efficiency:** Systems requiring minimal maintenance and no specialized training.

Target Customers and Their Needs

End Consumers

- Time-sensitive shoppers

- Tech-savvy individuals

- Early adopters of autonomous retail

Key Needs

- **Convenience:** A self-shopping experience that is fast, secure, and user-friendly.

- **Transparency:** Clear and accurate product validation during the shopping proces

- **Trust:** A reliable system that ensures transactions are secure and efficient.

Unique Value Propositions

Retailers

- **Positive ROI:** Sentinel significantly enhances profitability in autonomous stores by reducing shrinkage and operational inefficiencies.

- **Easy Retrofitting:** Transform traditional gondolas and shelves into smart, secure self-shopping zones without replacing existing infrastructure.

- **Real-Time Event Recognition:** Advanced AI systems detect and respond to shopping activities in real-time, enhancing security and usability.

- **Minimal Maintenance:** A robust, zero-maintenance solution ensures long-term reliability and reduces operational overhead.

- **Secure Product Validation:** Assisted recognition technology accurately validates items selected by customers.
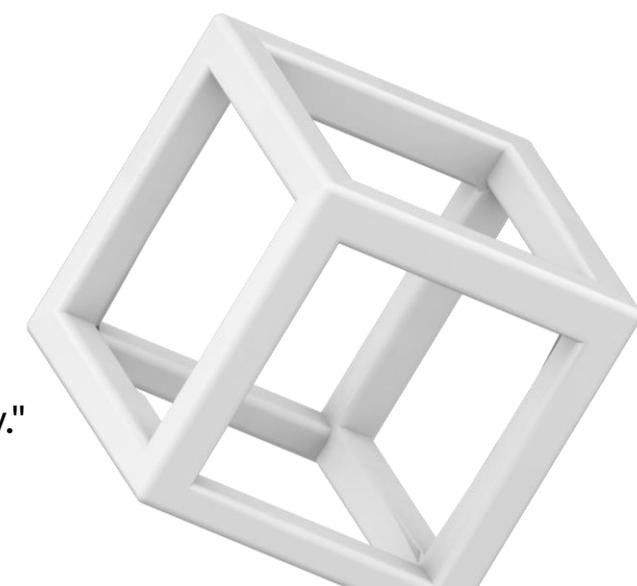
End Consumers

- **Secured Shopping Environment:** Ensures a safe and trustworthy self-shopping experience.

- **Zero Learning Curve:** Intuitive design eliminates the need for specialized knowledge or training.

- **Enhanced Convenience:** A streamlined shopping process with minimal disruptions.

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Sentinel - Summary

- Shekel's Sentinel is more than just a security solution; it's a game-changer for autonomous retail.

- By effectively retrofitting existing setups, providing real-time event recognition, and ensuring a secure and seamless shopping experience, Sentinel enables retailers to embrace the future of retail with confidence and profitability.

- Positive ROI through shrinkage reduction and efficient operations.

- Easy retrofitting and zero-maintenance design for seamless adoption.

- Real-time recognition and assisted validation for secured shopping.

- Market Impact: Up to 40% shrinkage reduction and rapid ROI within 12 months.

- **"Shekel's Sentinel: Securing the Future of Autonomous Retail!"**

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Thank You

Contact Us: +972-4-6629118 | www.shekel.ai
"Trust Shekel to drive your retail transformation with cutting-edge weighing technology."

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