

An IoT Solution Enabling Real-time Inventory Management and Auto-Replenishment

Smart mat

Launched Auto-Reorder Service with Amazon Dash Replenishment from December, 5, 2018



Smart Shopping, Inc. (Headquarters: Shinagawa Ward, Representative: Takayuki Shiga / Hidetoshi Hayashi), operating price comparison website of daily consumption goods for retail customers, has launched the auto-reorder service with Amazon Dash Replenishment using an IoT device "SmartMat", enabling real time inventory management and automatic ordering from Amazon Japan from December, 5, 2018. (<https://smartmat.jp/drs>)

SmartMat is an inventory management IoT device equipping weight-based sensor and has broader utility, and it will automatically measure the residual %/unit of the measured products once they are put on the mat, enabling real time inventory management. This device has 2 sizes (A3 and A4); operating with battery + Wi-Fi only; can be placed wherever you want. The full-fledged solution has already launched from October 15, 2018. SmartMat can be installed in various cases in the wide range of industry, including office, restaurant, factory, warehouse, retail, hospital, and etc., and it helps end-users realize more efficient inventory management and replenishment, leading to the improvement of productivity.

"Amazon Dash Replenishment" is a new service enabling end-users to make automatic reorder, where internet-connected IoT device measures the residual unit of the products and order them via Amazon once they get less. End users can also enjoy the wide range of product line-up from Amazon, its efficient delivery and payment system, and Amazon customer services. Since Amazon Dash Replenishment service is now available with SmartMat, once you simply put daily consumption goods on the mat, you can make auto reorder from Amazon.co.jp when the residual unit of the measured products falls behind the preset threshold. This is a new shopping style that makes you free from "why no stock when necessary!" or "taking meaningless time for order".

The order-able item with SmartMat are approx. 150 products, including beverages (e.g. mineral water, tea, coffee and carbonated drinks), and other daily goods (e.g. cleaning tool, disinfectant and wet tissue), which will be increased over time. Our SmartMat, together with Amazon Dash Replenishment Service is suitable for office, restaurants and hotel clients.

1. 4 Immediate Benefits through SmartMat



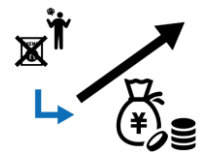
(1) Reduce Inventory Management and Labor Cost

SmartMat can automate the inventory management and replenishment process, and therefore users can reduce the time and labor cost that was spent for such inventory management and replenishment. No specific installation process is required to use SmartMat and cost competitive



(2) Eliminate Order Error

You can eliminate the order error as SmartMat automatically makes replenishment once the residual %/unit of the measured products falls behind the preset threshold



(3) Eliminate Stockout and Achieve Sales Maximization

SmartMat works 24 hours per a day, 365 days a year and eliminate the stockout, which results in the maximization of product sales



(4) Manage the Proper Level of Inventory

SmartMat will accumulate and analyze the inventory management data, and it will enable more advanced inventory management instead of traditional inventory management and order relying on hunch and past experience

2. Overview of SmartMat

Product Name	SmartMat	
Service Launch	October 15, 2018	
Type	<p><A3 Size></p> <ul style="list-style-type: none"> Size : W300×H400×D30(mm) Weight : Approx. 2.4kg (main body) Max Weight : Up to 100kg Min Measurable Weight : Per 100g 	<p><A4 Size></p> <ul style="list-style-type: none"> Size : W200×H300×D30(mm) Weight : Approx. 1.3kg (main body) Max Weight : Up to 30kg Min Measurable Weight : Per 10g

Key Features	<ul style="list-style-type: none"> • Cable-less (require batteries and WiFi only) • Seamlessly operate for 1 year with 4 AA batteries • Solid durability + Splash Proof (IPX3) • Certified for Japan, US, China and Taiwan
Others	<ul style="list-style-type: none"> • 4 AA batteries / Can be connected to 6V AC adapter (sold separately)

3. Overview of Solution Service to Corporate Clients

Basic Services	<ul style="list-style-type: none"> • Provide mat management screen to monitor the residual %/unit • Email alert on increase/decrease of the measured products • Auto-replenishment via Email or fax (once per a day) • Customer support through the call center or email
Optional Services	<ul style="list-style-type: none"> • System connection with clients' replenishment system + auto order • Notification other than Email (e.g. API linkage)
Initial Registration Fee	<ul style="list-style-type: none"> • JPY50,000 (Special Campaign Price until the end of March 2019) * Delivery fee of SmartMat to be charged separately
Terms and Price	<ul style="list-style-type: none"> • JPY 500 – 1,000 per unit/month (approx. US\$5-10 per unit/month) * Including the usage of hardware SmartMat

4. Overview of Amazon Dash Replenishment Service

Amazon Dash Replenishment is a cloud-based service provided by Amazon to other corporate partners. Partners can connect their own internet connectable hardware with Amazon cloud services through simple API, enabling auto reorder of the products that are measured by hardware. For instance, end-users can make auto reorder of detergent if they use washing machines, whereas end-users can make auto reorder of toner if they use printing machines. With Amazon Dash Replenishment service, you can eliminate the stockout when necessary. End users can also enjoy the wide range of product line-up from Amazon, its efficient delivery and payment system, and Amazon customer services.

5. Corporate Overview

Corporate Name	• Smart Shopping, Inc.
Representative	• Takayuki Shiga / Hidetoshi Hayashi
Found	• November 2014
Location	• Planet Bldg. 5F, Nishi-Gotanda, Shinagawa-Ward, Tokyo
Capital	• JPY 220,930 thousand (including capital reserve)

Business Domain	<ul style="list-style-type: none"> Operate price comparison website for retail customers Inventory management and auto replenishment solution service with SmartMat
URL	<ul style="list-style-type: none"> SmartMat (BtoB): https://smartmat.jp/ Smart Shopping (BtoC): https://smashop.jp/ Corporate Website: https://smartshopping.co.jp

[BtoC Business]
Purchase Support Service (Price Comparison and Auto-Replenishment)

Operate price-comparison website of daily consumption goods, and provide residual forecast and auto-replenishment service to retail customers

[BtoB Business]
Inventory Management and Auto Replenishment Solution Service

Provide inventory related solution via SmartMat, enabling real time inventory and auto replenishment for wide range of industry (e.g. warehouse, office, restaurant, retail hospital, and etc.)