Digitising dining: AI Self-checkouts Land in Canary Wharf, London

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AUTOCANTEEN

About Autocanteen

Autocanteen is a touchless self-checkout solution which increases checkout efficiency. The system can identify anything from fruits to meal plates with visual discovery. Their deep-learning algorithms matched with 3D image scanners allow them to capture, detect, and recognize objects at lightning-fast speed with laser precision.
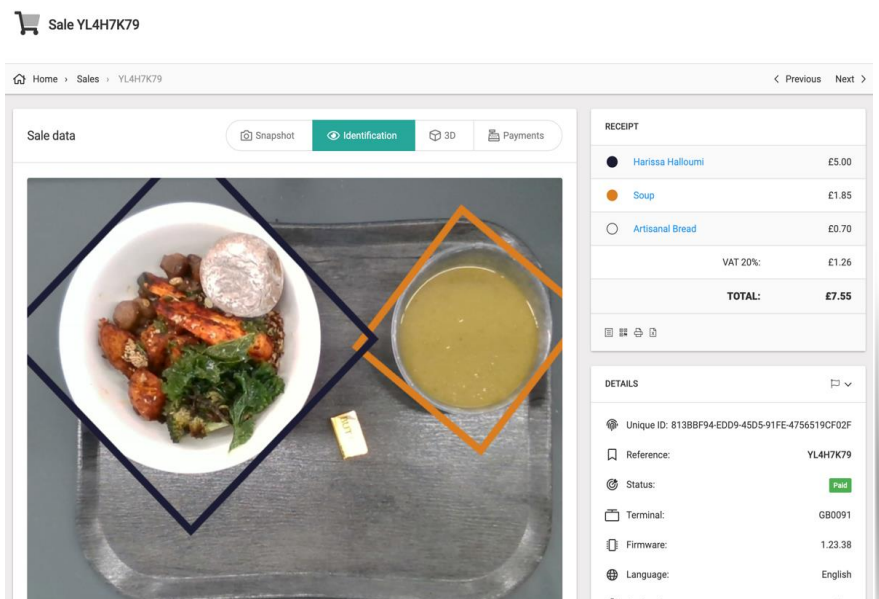
Autocanteen is helping a major bank enhance their employee experience with AI-powered self-service checkout terminals.

Keeping Up with Digital Transformation in Food Retail Environments

London, UK – May 2023 – One of the world's biggest banks, and a leader in digital transformation, is on a mission to deliver connected workspaces that create an exceptional employee experience.

The bank has partnered with Compass Group, multinational foodservice company, and Autocanteen, vision AI self-checkout company, to deliver self-service terminals in their staff restaurant to enhance speed of service, reduce queues and free up staff from the monotonous checkout function. The bank is continually investigating and trialing new innovative technologies to transform and digitize the ways they work.

The smart scan technology uses artificial intelligence to identify items without the scanning of barcodes, enabling checkouts in as little as 10 seconds on average.[1]

How Long Did It Take To Get Selling?

The implementation project took four weeks from order to being ready for go live. The team on-site was able to trade from the opening day at full capacity. The Autocanteen team has visited the site several times to train the terminals and team on-site to manage them. It's expected that the innovative AI solution will show a significant return on investment.

The team on-site was able to trade from day 1, with 10,000 transactions exceeding £60,000 in total processed via 4 terminals in the first month.[1]

> " The AI self-checkout is another great example of how we're digitising and improving our colleague experience. The innovative scanning technology means that our colleagues don't have to scan a single barcode to self-checkout. The system learns from each transaction, meaning that it's becoming quicker and more accurate by the day.
>
> **— Head of Corporate Services** "

How Did The Solution Impact The Client's Bottom Line?

In the first two weeks, the checkout section needed to be semi-assisted to educate customers about the new technology. However, after the first few days, customers understood and have been impressed by the new quick and convenient way to transact in the restaurant.
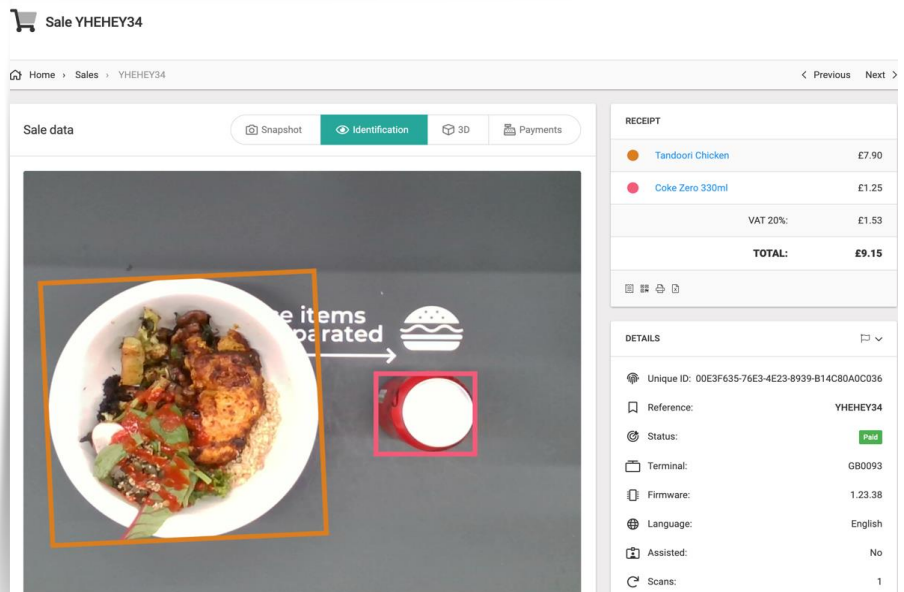
Throughput so far via the self-checkout section is around 10-11 transactions per minute, we expect this number to increase to 16 transactions per minute at peak time.[1] With no more need to manually process up to 700 orders daily, the queues have shortened and the team on-site can focus on better customer service.

The team on-site is happy to be in full control of their menu which they manage on the fly.

Most interactions with the system, before payment, such as scanning and weighing, take 3 seconds. A single staff member can oversee 10 transactions per bank of four terminals per minute.[1]

Return on Investment

It's expected that the Autocanteen self-service solution at this site, facilitating 110K transactions of £700K per year and freeing three people from processing, will show more than 120% return on investment.[1] Most savings come from repurposed labour from checkout operations elsewhere.

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Intel Partnership

As a proud member of the Intel® Partner Alliance, Autocanteen offers a cutting-edge self-checkout solution recognized as an Intel® IoT Market Ready Solution. Our innovative solution harnesses the power of the Intel® Distribution of OpenVINO™ toolkit, delivering faster and remarkably accurate inferencing capabilities.

Thanks to this fruitful collaboration, Autocanteen has successfully expanded its self-checkout solution to cater to a wider range of customers. Intel's invaluable technical support and robust marketing resources have helped us driving the business forward.

The impact of this collaboration reaches far and wide, enabling us to make a significant mark in the self-service canteen market.

We are exhilarated to continue our partnership with Intel, united in our mission to bring our exceptional self-checkout solution to a broader audience. The fruitful collaboration we have enjoyed thus far fills us with confidence, and we eagerly anticipate further growth and success together.

With utmost conviction, we foresee continued success in our collaboration and remain committed to working closely with Intel to bring our unparalleled self-checkout solution to the market.

Learn More

To learn more about the Autocanteen Solution visit:

- [Autocanteen website](#)

To learn about Intel® technologies visit:

- [Intel® Core™ Processors Product Page](#)

- [Intel® Distribution of OpenVINO™ Toolkit Product Page](#)

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Sources:

[1]Data provided by Autocanteen. Intel does not control or audit third-party data. Please review the content, consult other sources, and independently confirm if the data provided is accurate.

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