

Reduce Friction with Fully Automated Age Verification



Age verification checks occur in roughly 22% of all transactions and significantly slow down throughput in the self-service area. Traditional checks often take up to two minutes depending on attendant availability — creating longer queues, reducing front-end capacity, and resulting in customer frustration. Vynamic® Smart Vision | Age Verification removes this bottleneck by automating the entire process. Live deployments show that AI-driven verification reduces the time required for an age check by 67%, and contributes to more than 650 hours of total employee time saved. Customers can confirm their age in seconds, independently and efficiently.

Faster Process

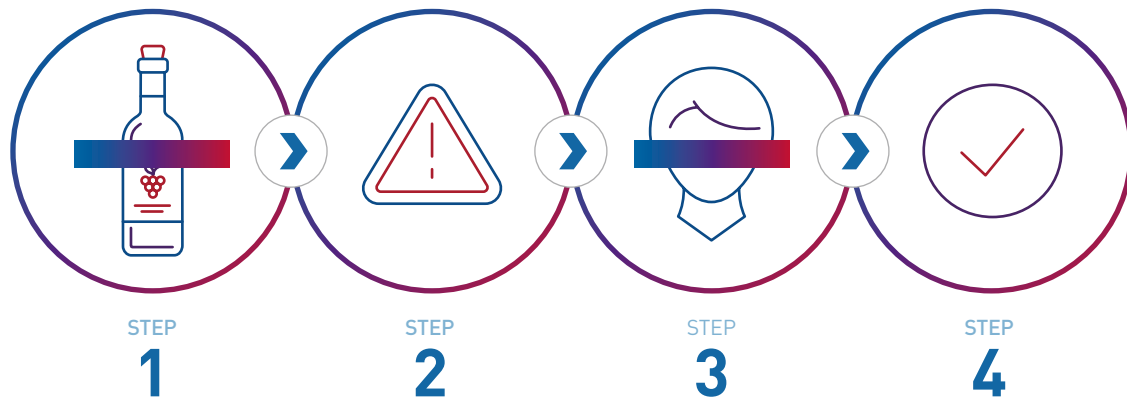
Using a camera positioned on top of the self-service device, Vynamic Smart Vision | Age Verification automatically initiates the age estimation when an age-restricted item is scanned. The customer's face is not recognized, only analyzed by an anonymous algorithm. Staff only need to assist shoppers who fall below the configured age threshold or choose not to participate. With automated verification, retailers achieve 88% successful age estimations, significantly reducing the number of staff interventions.

Smarter Technology

By applying AI-based age estimation, Vynamic Smart Vision | Age Verification can determine whether a customer meets the required age criteria, even when parts of the face are covered (e.g., masks or scarves). Retailers can configure acceptance thresholds according to local regulations. Only cases falling below the threshold are forwarded to an attendant. Across deployments, 85% of customers embrace AI-powered age verification, confirming strong consumer acceptance.

More Efficient

Vynamic Smart Vision | Age Verification increases front-end efficiency by empowering customers to complete checks independently. This reduces reliance on attendants, improves throughput, and enhances the overall shopping experience. The resulting reduction in friction supports higher productivity and stronger ROI by minimizing stand-by time for staff and streamlining the checkout journey.



THE CHECKOUT FLOW WITH VYNAMIC SMART VISION | AGE VERIFICATION:

Your customers can complete an age check independently using the self-service system:

- **STEP 1:** The customer scans an age-restricted item and the item is added to the basket.
- **STEP 2:** Vynamic Self-Service offers the option to perform an anonymous age estimation (staff-assisted verification remains available).
- **STEP 3:** The AI captures an image, analyzes facial characteristics instantly, and deletes the image immediately after analysis.
- **STEP 4:** If the customer meets the configured age threshold, they continue the transaction and proceed to payment.

Advanced Security Features

- GDPR compliant – Images are deleted immediately after analysis; no data is stored.
- Secure anti-spoofing technology checks for authenticity and prevents presentation attacks.
- Accurate, low-latency age estimation trained across a broad demographic range.
- Works with many types of face coverings.
- Retailers can configure safety buffers and age thresholds.
- No personally identifiable information is used or stored; only age estimation is performed.

Prerequisites

- Consumer-facing camera
- Vynamic Self-Service Version 14 or higher
- Enabled age verification software package
- License for age verification technology

Key Benefits

- 67% faster age checks compared to manual processes
- 650h employee time saved through automated verification
- 88% successful age estimations, minimizing staff involvement

- 85% customer acceptance, enabling smoother journeys
- Faster checkout, reduced friction, and improved privacy
- Contactless age verification
- Lower likelihood of manual age-checking errors

VYNAMIC SMART VISION | AGE VERIFICATION: Part of the Vynamic Self-service Suite of Solutions

High connectivity and openness are critical to being adaptive and ready to adopt future innovations, whatever they may be. DN Vynamic Self-Service is based on a platform approach using open APIs for faster and easier integration. Vynamic Self-Service is a service-oriented software solution that seamlessly supports the self-service process within a retail environment and easily allows the implementation of innovative solutions like Vynamic Smart Vision | Age Verification.

Learn more at [DieboldNixdorf.com](https://www.dieboldnixdorf.com)