



PERFORMANCE. COMFORT. CONVENIENCE.

Honeywell PPE Solutions for the Food and Beverage Processing Industry

US food industry workers have a 60% higher rate of occupational illness and injury compared to workers in non-food industries.¹

Honeywell

RISKY BUSINESS

From potential ingredient contamination to supply chain issues, the food and beverage manufacturing industry is fraught with risk. Among the most prevalent – and preventable – are risks associated with employee safety.

Workers in the food and beverage industry, particularly in the area of raw materials processing, face numerous potential hazards. Among them:

- Prolonged or repeated exposure to excessive noise levels
- Exposure to chemicals and contaminants used to protect raw materials and equipment from cross-contamination and particle or microbial contamination during handling and cleaning
- Exposure to biological hazards
- Exposure to airborne dust, chemical splashes, hot liquids, extreme temperature changes and other materials and situations that put worker's eyes and vision at risk
- Potential skin absorption of harmful substances; severe lacerations, cuts, punctures and abrasions; extreme temperatures and burns
- Working in extreme temperatures, confined spaces and other environmental conditions that can present potential health and safety risks

Personal protective equipment (PPE) can provide much-needed protection from these and other hazards – but only if the equipment fits workers properly, is designed and constructed well, and meets workers' needs for comfort and convenience.

Honeywell PPE solutions and accessories can help set the bar high on all counts. They're engineered for comfort and convenience, as well as reliability and performance, so workers will be more likely to wear them for their entire shifts.



PPE that doesn't fit properly “can make the difference between being safely covered or dangerously exposed,” and “may not provide the level of protection desired and may discourage employee use.”²

1. <https://info.ergoscience.com/employer-blog/food-processing-injuries-can-they-be-prevented#:~:text=Overall%2C%20however%2C%20food%20industry%20workers,set%20of%20risks%20for%20MSDs>
2. <https://www.osha.gov/sites/default/files/publications/osha3151.pdf>

ENGINEERED FOR COMPLIANCE

Wearing PPE can help protect workers, but not all PPE is created equal. Nor are the environments in which they should be worn.

The mission of OSHA is to ensure safe and healthful working conditions for workers by setting and enforcing standards and by providing training, outreach, education and assistance.³ This includes setting and enforcing regulations regarding PPE use in the United States.

Among those specific to the food and beverage manufacturing industry:

- 29 CFR 1910.133 – Eye and face protection⁴
- 29 CFR 1910.138 – Hand protection⁶
- 29 CFR 1910.134 – Respiratory protection⁵
- 29 CFR 1910.95 – Hearing protection⁷

Many of the requirements are also aligned with ANSI and CSA standards, including eye and face protection (ANSI Z87.1-1989⁸ and CSA Z94.3-15⁹) and respirators (ANSI Z88.2¹⁰). ANSI/ISEA 105-2016¹¹ measures cut resistance for industrial work gloves, providing more accurate identification of cut protection.

Honeywell's PPE solutions incorporate features that make them compliant with a variety of industry and regulatory standards, including standards from OSHA, ANSI and CSA, to help food and beverage manufacturers follow industry best practices for worker safety and avoid costly regulatory fines.

Two common PPE regulations in the food and beverage industry – Respiratory Protection (1910.134) and Eye and Face Protection (1926.102) – were among the top 10 most frequently cited workplace safety violations for FY 2021 and 2022.¹²

3. <https://www.osha.gov/aboutosha>

4. <https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.133>

5. <https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.134>

6. <https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.138>

7. <https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.95>

8. <https://safetyequipment.org/wp-content/uploads/2020/04/ANSI-ISEA-Z87-2010.pdf>

9. http://s7d9.scene7.com/is/content/minesafetyappliances/O300-13-MC_CSA_Z943-15_WhitePaper

10. <https://www.ishn.com/articles/105561-ansiasse-z882-2015-practices-for-respiratory-protection>

11. <https://isea.wpengine.com/standard/ansiisea-105-2016/>

12. <https://www.safetyandhealthmagazine.com/articles/21949-oshas-top-10-most-cited-violations-for-fy-2021>

EYEWEAR: HONEYWELL UVEX AVATAR™

Uvex Avatar safety glasses are ideal for use in food and beverage processing environments where optimal vision, as well as protection from any number of hazards to the eyes, is critical.

The Uvex Avatar line is designed with the needs and comfort of the worker in mind. They're comfortable and customizable for every facial profile with eight points of adjustability and the use of Multi-Material Molding Technology® (MMT) at every touchpoint. They're also stylish with a sleek, modern design and choice of four colors and five lens tints.



FEATURES

01. HydroShield® anti-fog and anti-scratch hard coat polycarbonate lens coatings

02. 9-base, ultra-light wrap-around lens and ¾ soft brow frame with indirect venting

03. Ratchet lens with angle-adjustable temple length and 15-degree lens inclination

04. Flexible nose pads to fit any nasal profile and reduce slippage

05. Available in four frame colors and five lens tints



06. Soft, wire-core temples to customize to any facial profile

07. Built with patented MMT for a high level of adjustability

99.9% UVB/UVA filtering

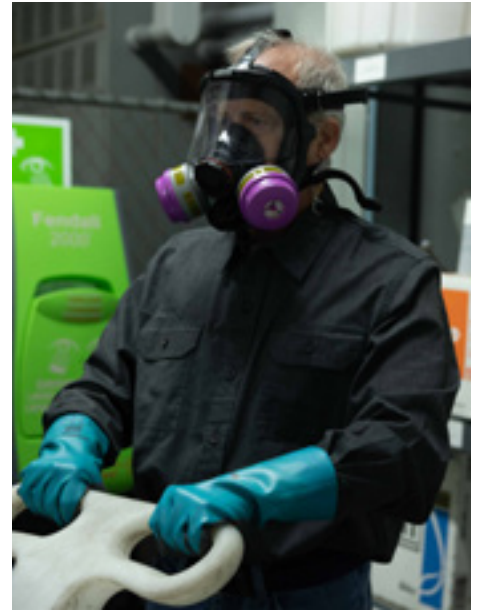
Certified to meet ANSI/ISEA Z87.1-2020

Honeywell to meet CSA Z94.3

FACE MASKS: 7600 SERIES FULL FACEPIECE

Impact hazards, dust, heat, chemical splash and optical radiation are just some of the risks workers in the food and beverage industry face. The 7600 Series full facepiece provides the protection and comfort they need.

The integrated nose cup and dual flange face seal are made from 100% medical-grade silicone, offering a flexible fit for long-lasting comfort over several hours of wear. The polycarbonate lens offers a 200° field of vision and downward view for optimal sight in all directions. The lens is designed to withstand high impact, eliminating the need for additional eye protection.



FEATURES

Five-strap head harness includes a center strap to help position and hold the mask for a more secure fit

Polycarbonate lens with 200° field of vision maximizes peripheral vision plus downward view and meets ANSI Z 87 for high impact

Medical-grade silicone nose cup provides more comfortable day-long wear, reduces fogging and lessens dead air space to improve worker comfort by limiting re-breathing of exhaled air

Kapton® speech diaphragm clarifies conversations, enhancing safety and other communication



NIOSH-approved with PAPR and Supplied Air to offer flexibility in the workplace

Dual flange sealing area provides an extra layer of protection to prevent leaks

Threaded cartridge connector secures equipment to avoid accidental disconnections

Can be adapted to PAPR or CF-SAR, eliminating the need to fit test workers on several respirators

Available in small or medium/large

SAFETY GLOVES: FLEXTRIL

Employees in the food and beverage industry often work in harsh environments where they're at risk of hand and finger cuts and lacerations, as well as exposure to chemicals and other substances.

Honeywell's Flextril™ Nitrile Chemical Gloves are designed to deliver five-fold performance – high chemical protection, reliable cut resistance, great wet and dry grip, enhanced dexterity and improved comfort.

There are two options for cut resistance – A1 and A3 – so the most appropriate gloves for the job can be selected. They're also ergonomically designed to improve wearability and comfort so workers are more likely to wear them consistently. With technical specifications available via a QR code printed on the gloves, performance data is right at your fingertips.



FEATURES

01. A nitrile barrier protects hands against chemicals, irritants or other potentially hazardous materials and enables the gloves to withstand heavy use even after prolonged exposure to substances that cause other gloves to deteriorate

02. Ergonomically designed to facilitate ease of movement and reduce hand fatigue

03. Incorporates Super Grip Technology into the specially formulated coating to help provide exceptional grip performance in wet and dry environments, minimize hand fatigue and increase work productivity



04. Employs Honeywell's Moisture Dispersion Technology, an innovative sweat management feature that helps disperse perspiration so hands stay dry for greater comfort and less interference with the task at hand

Meets EN ISO374-1; EN 388; EN 407; ANSI CUT; ANSI ABRASION; Food Contact

ASTM ANSI/ISEA 2016 Performance Level A1 and A3 cut resistance available

HEARING PROTECTION ACCESSORIES: ANTIMICROBIAL-PROTECTED HL400 DISPENSERS FOR CORDED EARPLUGS

Manufacturing environments, especially in the food and beverage sector, are notorious for noise levels that are distracting and can even contribute to hearing loss. Making earplugs available to employees – quickly, easily and safely – is essential to help protect their hearing.

The HL400™AM corded earplug dispenser is designed to help meet this need. The catch tray is treated with an antimicrobial additive, making earplug dispensing more hygienic. The antimicrobial additive also helps protect the dispenser against stains, discoloration and odors caused by mold, mildew and bacteria. This way, the product remains clean. The dispenser is also easy to install and easy to refill.



FEATURES

01. Dispenses corded earplugs with easy gravity-fed access

02. Recyclable canister with 400 pairs of earplugs; 400-pair capacity means less time going back and forth to restock, 4X the amount of traditional box of corded earplugs

03. Easy refill lid allows for quick dump-and-go refilling

Built-in antimicrobial properties (doesn't protect users or others against disease-causing organisms)

Can be refilled with bulk earplugs



Compatible with Howard Leight™ Metal Detectable Laser Trak®, TrustFit Trak and SmartFit Detectable earplugs as well as many other corded favorites like Maximum, Maximum Lite, Laser Lite®, FirmFit®, Xtreme®, Airsoft, Quiet and TrustFit (earplugs available in different sizes, shapes, materials and attenuation levels)

Can be wall-mounted or placed on tabletops for more flexible placement

Universal hole positions eliminate the need to drill new holes; fits on existing wall mounts of other dispensers

HEAD-TO-HAND SAFETY

Honeywell provides a broad range of safety solutions, including PPE and accessories, to help protect the approximately 1.7 million workers in food and beverage manufacturing.¹³

From safety gloves and face masks to protective eyewear, hearing protection and convenient accessories, these safety solutions incorporate leading-edge technologies, materials and design to offer optimal worker protection and product reliability in a variety of food and beverage processing environments.

Drawing on worker input, ongoing research and vast industry experience, Honeywell also engineers its solutions with attention to ergonomics, employee comfort, regulatory requirements and other factors. They're designed for wearability and safety, to help increase employee productivity and efficiency and to minimize potential fatigue and distractions stemming from discomfort.

Learn about Honeywell's full line of safety solutions for the food and beverage industry, as well as for numerous others, at <https://sps.honeywell.com/us/en/products/safety>.



13. <https://www.ers.usda.gov/data-products/chart-gallery/gallery/chart-detail/?chartId=58286>

For more information

sps.honeywell.com

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Additional trademark information can go here.
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THE
FUTURE
IS
WHAT
WE
MAKE IT

Honeywell