

Choosing an Optimal Riot PPE Supplier

# 5 Key Factors





## Why Paulson Manufacturing is an Optimal Riot PPE Supplier

Paulson Manufacturing Corp. is an industry-leading designer and manufacturer of transparent face and eye protection for first responders and industrial workers. For decades, we have worked hard to create innovative personal protective equipment (PPE) that delivers optimal protection, reliability, and comfort in a variety of hazardous work environments. Each product in our tactical PPE line is manufactured and tested according to the strictest national, international, and military standards. Using customer input to guide product development, we are dedicated to continually improving the safety of those who serve with our high-quality, American-made PPE solutions.

# 1 Paulson Manufacturing is a U.S. Manufacturer

When it comes to tactical PPE, quality and reliability are critical for ensuring the safety of workers in high-risk environments. Purchasing from a reputable U.S.-based PPE manufacturer provides several benefits, including:



### Higher quality.

With domestic providers, you can be more confident in the quality of materials used in the PPE and the manufacturer's adherence to the latest safety and quality standards.



### Faster production and lower costs.

Being geographically closer to your PPE manufacturer can cut logistics costs while significantly reducing production times. This allows products to be completed and delivered as quickly as possible.



### Higher standards of safety.

Overseas manufacturers often have looser safety standards in place, putting employees at greater risk of work-related injury. Choosing a domestic manufacturer ensures that the health and well-being of the employees manufacturing the products have been prioritized.

As a vertically integrated U.S. manufacturer, Paulson Manufacturing maintains rigorous quality control over every phase of the PPE production process. In addition to improving the quality of our products, this tight control gives us the flexibility to develop innovative tactical PPE solutions targeted for specific uses. For example, our DK5 and DK6 product lines are designed according to rigorous U.S. military standards and approved for use in a range of hazardous high-impact environments.

## 2

## Our Key Materials Exceed Standards

From riot control and forced entries to rescue operations and victim extractions, the types of jobs encountered by tactical professionals are often dangerous and unpredictable. Paulson Manufacturing uses breakthrough technologies and ergonomic designs to develop face and body shields capable of protecting frontline workers in some of the toughest working conditions.

### General features of our tactical gear include:

Impact-resistant and heat-resistant polycarbonate materials

Anti-abrasion and anti-fog coatings available for added protection and visibility

Face shields injection-molded to shape

Face and body shields built to withstand fragmentation with V-50 ratings



### Tactical body shield features include:

Smooth edges for no abrasion

Foam pads that offer enhanced grip and support in all types of weather, including rain

Left- and right-handed design options

Riot-specific designs that protect both the user and rioter

To meet specific industry requirements, our tactical PPE selection includes options that are compliant with the following standards.

## American National Standards Institute

American National Standards Institute (ANSI) establishes uniform testing guidelines for products and systems in a range of industries. ANSI Z87.1, the standard for occupational and educational eye and face protection, aims to verify PPE's ability to protect against impacts, splash exposure, dust, and other hazards. To become ANSI Z87.1-certified, a product must pass the following types of evaluations:

Durability testing to assess the product's flammability

Basic-impact and high-impact testing to assess the ability of the lens and frame to resist various levels of impact

## National Institute of Justice

The National Institute of Justice (NIJ) is the most commonly accepted standard for body armor used by law enforcement personnel and corrections officers. NIJ requirements and testing methods include:

### Light transmission requirement.

Visual light transmission (VLT) describes the percentage of visible light viewable through a face shield or eyewear. The higher the percentage, the greater the amount of light that can pass through the lens. According to the NIJ, a face shield's light transmission must be at least 75% in the primary visual area of the lens.



### Impact attenuation and protection testing.

Impact attenuation is tested by subjecting a helmeted head-form to an impact energy of 108 J at a velocity of 6.6 m/s. The impact protection level of the face shield is determined by testing its ability to remain fastened to the helmet after impact delivery.

## 3

## Our Superior Optics Standout from the Competition

Face shields for tactical professionals must be designed to protect against the unique hazards encountered in riot situations. In addition to blocking the user's face from flying objects and debris, these shields must also be capable of protecting against laser-induced eye damage. As a cheap and easy-to-conceal device, laser pointers have become a common weapon used against control officers by rioters. What makes them particularly dangerous is that they can inflict serious and/or permanent damage even from a distance.

With these concerns in mind, Paulson Manufacturing provides face shields designed to attenuate the dazzle effect created by lasers. They offer superior eye protection while still allowing a safe level of light to pass through, allowing the officer to identify the source of the beam more easily. Our tactical face shields are carefully designed to provide a balance between protection and visibility, a critical requirement for shields that will be used in late-night riots and other dark environments.

### Other features include:

Helmet/shield options with integral rubber seals for protection against liquids

Optically corrected shields to minimize distortions

Protective coatings to help maintain visibility



# 4

## Paulson is a One-Stop-Shop Manufacturer

At Paulson manufacturing, our one-stop-shop capabilities allow us to provide the following benefits:

### **Unparalleled quality management.**

By overseeing and coordinating the entire production process under one roof, we can guarantee tight control and excellent quality management in accordance with ISO 9001 standards. This process consolidation also saves you the hassle of having to coordinate communication among multiple vendors for each phase of the product.

### **Continuous product improvement.**

Being a single-source provider allows us to receive direct customer feedback that can be leveraged to continuously improve the quality and comfort of our products.

### **Cost savings.**

Manufacturing everything in-house allows us to streamline the entire production process and deliver on quicker lead times. Having a simpler, more efficient production saves our customers on indirect costs.

### **Improved communication.**

With all production phases handled under one roof, communication becomes simpler and issues get resolved quickly without creating delays in production.

## 5 Paulson's Innovative Engineering Solutions

Given the chaotic and unpredictable nature of riots, tactical PPE manufacturers must be capable of responding quickly to shifting market trends with innovative product designs. At Paulson Manufacturing, we use customer feedback to drive product development and improvement, allowing us to optimize the comfort and functionality of our PPE solutions for specific workplace environments. Our diverse product selection has evolved over the last few decades to provide customers with full protection against everything from extreme heat, arc flash, and impact hazards to plasma hazards and chemical splash.

With in-house design, tooling, machining, and assembly capabilities, we control the entire production process from start to finish to guarantee high-quality, reliable products that exceed the most stringent safety standards in the industry.

### Riot PPE From Paulson Manufacturing

In riot control operations and other dangerous work environments, PPE must be designed to protect workers from a number of unique hazards. Paulson Manufacturing takes a customer-centric approach toward developing riot gear and other PPE solutions that offer both comfort and protection as workers respond to these chaotic, high-stress situations. With our in-house design and manufacturing capabilities, we can work with you to create custom solutions that are tailored around your specific protective equipment needs.

To learn more about our tactical PPE solutions and other capabilities, please [contact us](#) today.





A grayscale photograph of an industrial facility, showing a large cylindrical tank and a complex network of metal walkways and railings.

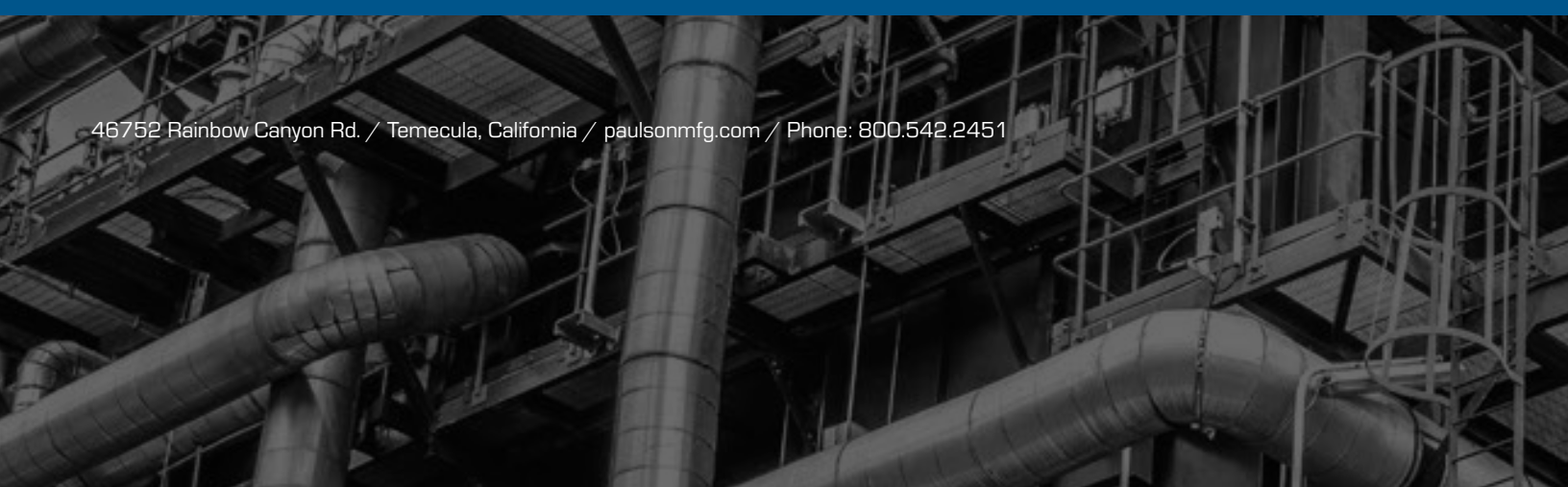
# About Us

Paulson Manufacturing Corp. is the world's foremost authority on transparent face and eye protection for industrial workers and first responders. Our mission is to provide the benefits of protection and safety to our customers — our business' lifeline. We attain this mission by manufacturing the highest quality and most reliable safety protective gear in the industry. We seek our customers' trust, reliance and confidence. We want to be their first choice for the all-important task of protecting eyes and lives.

To learn more about how we can help you choose the right equipment for your protection and performance needs, contact us here or give us a call at 800-542-2451.

[Contact Us](#)

[Learn More](#)

A grayscale photograph of an industrial facility, showing a complex network of pipes, walkways, and railings.

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