

## Company: RPB Safety

### Featured Technology: The Nova 3® Blasting Respirator

**Technology Short Description:** Abrasive Blasting is a tough process that comes with inherent risk and significant discomfort for the operators. Among them, these risks and discomfort can include high noise exposure, ergonomic strain, and heat stress. Thankfully, the Nova 3 Respirator is known to offer truly significant technology improvements to address these challenges. The Nova 3 is a positive-pressure supplied-air respirator with a proprietary padding system. It has been approved by NIOSH with an assigned protection factor of 1000.

This respirator is being used throughout the world currently and specifically on DOD sites, such as Army Depots, Air Force sustainment facilities and Navy shipyards. Some specific past performance data include:


- Portsmouth Naval Shipyard — RPB worked with Portsmouth Naval Shipyard to resolve excessive noise exposure in their high-pressure water blasting team which limited their shift to only 2 hours. After purchasing Nova 3® respirators, their noise exposure fell below acceptable PELs enabling them to work full shifts and more than double their productive hours.
- CA Hull testimonials— “It’s just all around comfortable.” “Shields are great. I love the tear-aways.” “They’re the only ones I use. So that way I don’t have to shut off during production time. It’s less time down for me.”

**POC Name:**

**POC Phone:**

**POC Email:**

**Company Website:**

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| <p style="text-align: center;"><b>Problem Statement</b></p> <ul style="list-style-type: none"><li>• The blasting process creates significant noise exposure.</li><li>• The weight of these respirators and how secure they are on a blaster’s head is known to create ergonomic strain.</li><li>• Blasting is often done in areas of extreme temperature which can create heat stress.</li></ul>  | <p style="text-align: center;"><b>Benefits</b></p> <ul style="list-style-type: none"><li>• A noise reduction rating of 33 or greater. This benefit affects blasters for many years.</li><li>• The ability to adjust the air temperature by as much as 52-degrees cooler or 33 degrees warmer when paired with the C40 Climate Control device. This removes heat stress risks when working in extreme temperatures.</li><li>• A 5-layer cassette lens that prevents the removal of more than one tear-off lens at a time—this can save app. 4 hours per week.</li></ul> |
| <p style="text-align: center;"><b>Technology Solution</b></p> <p>With breakthrough comfort and technology, the RPB Nova 3 revolutionizes the abrasive blasting experience, enabling you to perform at your best, for longer. Featuring a fully padded internal system, the Nova 3 distributes its weight evenly across your head and shoulders, making it feel lighter, alleviating you aches and strains on your neck and reducing the effects of fatigue.</p> | <p><b>Graphics</b></p>   |