

SAFETYZONE MAGAZINE

The Stud Finder: Reinvented

Vader
Combo:
One Does
the Job
of Two



"As a safety professional, you always want your workers to have access to leading edge safety tools that improve safety and focus. Working with **COOLSHIRT SYSTEMS** over the past two years allowed me to help design a tool **by lineman for lineman.**"

The **A.R.C. Hybrid Cooling System** by **COOLSHIRT SYSTEMS** allows lineman to remain more focused and less fatigued by reducing their core body temperature in extreme environments, therefore reducing the possibility of unintended accidents."

-James "Jim" Bonner
Compliance Coordinator- Retired
Alabama Power



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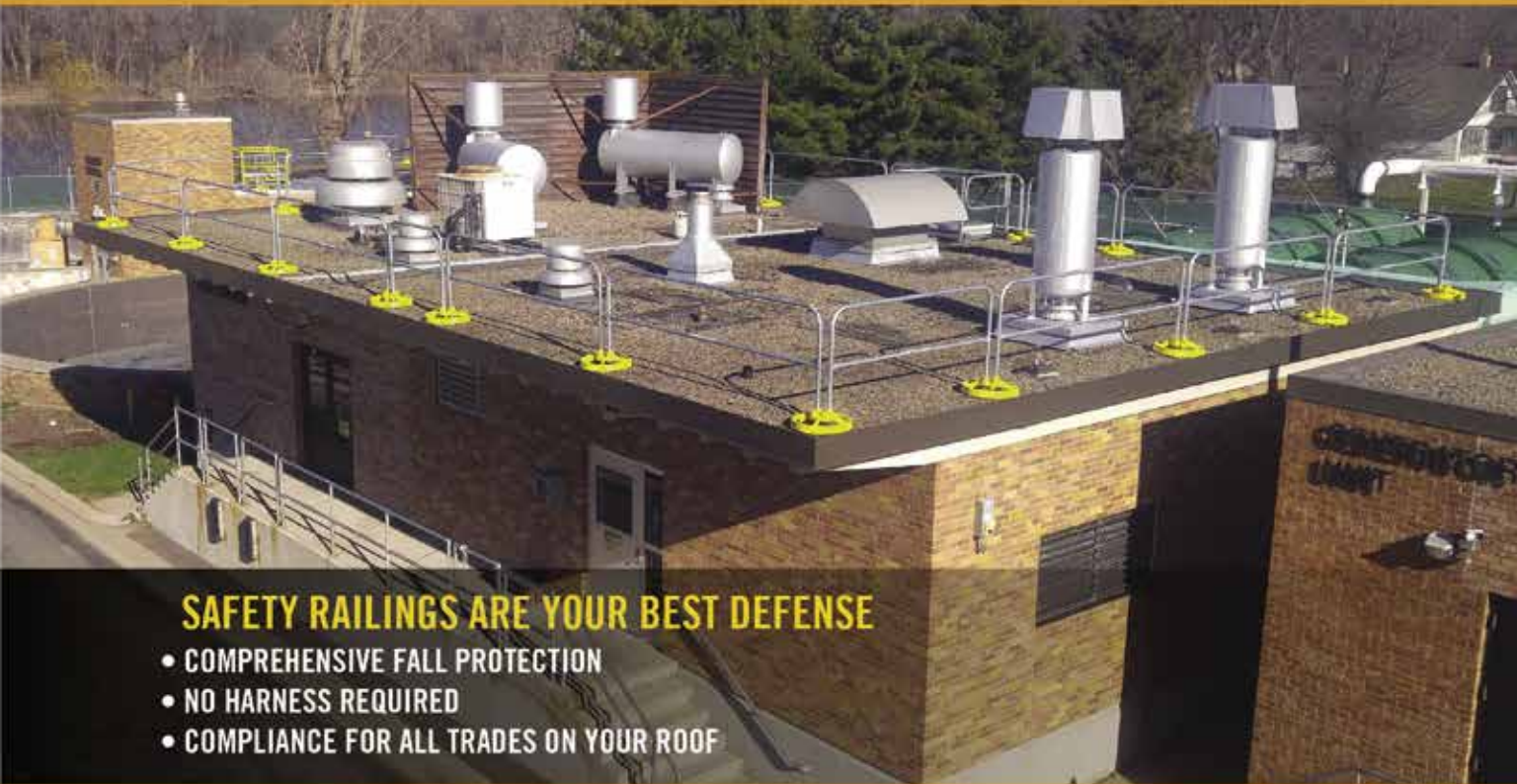
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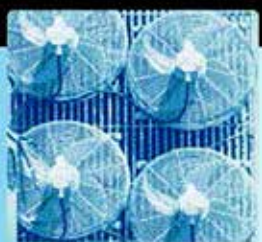
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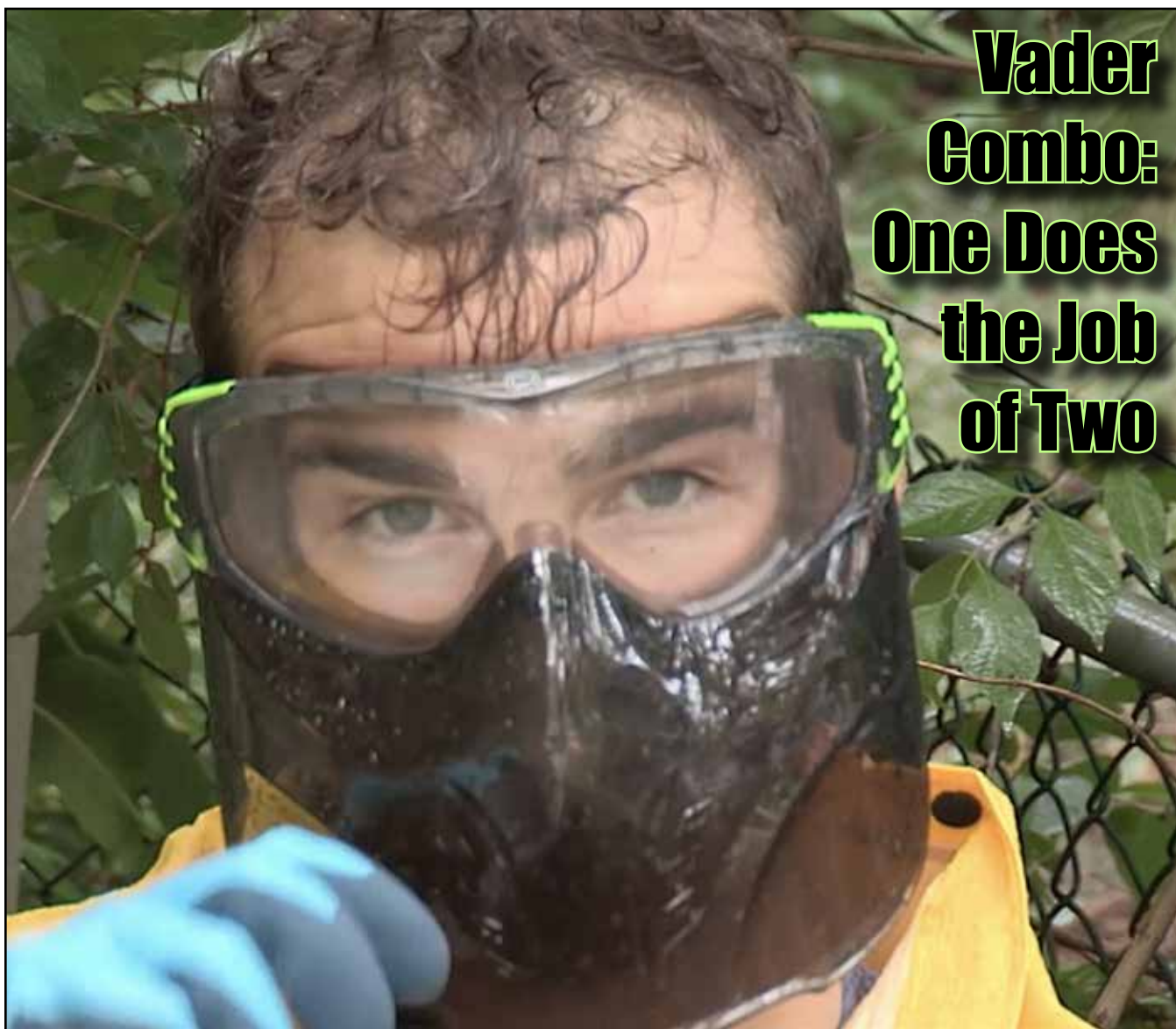
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*Brass Knuckle®'s goggle and face shield in one is superior protection
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Typically, when workers wear a face shield, they still have safety glasses on underneath. That's because most face shields have gaps on the bottom and sides that can let the nasty in. But Vader Combo is a different sort of face protection. It's a face shield with the safety goggles built-in. It's one wearable piece of PPE that does the job of two.

Whether it's foul, nasty, or painful debris, sparks, or liquid sprayback, when the situation hits the fan, workers can reach for Vader Combo. It covers the whole face, protects the neck, and puts yuck in its place. When you're leading with your face straight into the dark side, it's the protection workers need.

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coverage. Ultra-soft, conditioned rubber forms a splash barrier. Because the face shield isn't attached to a hard hat, it provides unprecedented mobility and visibility — the shield goes wherever the wearer's head goes.

The ANSI-rated, military-style splash goggle also includes a durable anti-scratch treatment and is D3 rated for droplet and splash protection. The built-in venting system helps reduce the potential for moisture buildup, helping to maintain clear vision.

If a job exposes workers to any kind of wetness or debris being thrown into their faces, the Vader Combo brings the necessary protection. To muck, splash, debris, and fog, Vader Combo says, "Who's your daddy?" That's a force to be reckoned with.

For more information, visit www.brassknuckleprotection.com •

About Brass Knuckle

Brass Knuckle is a member of the Volk Enterprises family of companies, whose international strategic alliances with documented professional supply partners allow for a full range of safety products, programs, and services to clients across the globe. Brass Knuckle products are found in some of the harshest work environments on earth, where dust, debris, splash, sparks, extreme temperature changes, oil, chemicals, cuts, punctures, scrapes, lifting, kneeling, and crawling are all in a day's work. We serve diverse markets including construction, roofing, plumbing, automotive, electrical, general assembly, glass handling, HVAC, landscaping, manufacturing, metal fabrication, receiving, warehouse, tiling, vehicle detailing, and more. For more information, contact Brass Knuckle® Safety Products, 1335 Ridgeland Parkway, Suite 120, Alpharetta, GA 30004. Phone: 770-674-8930. www.brassknuckleprotection.com.

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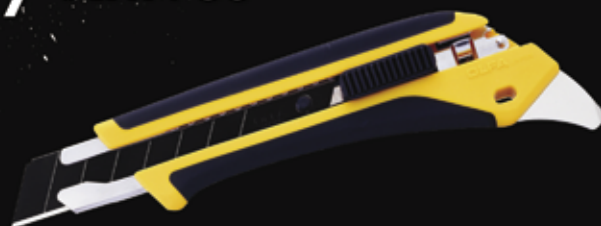
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The Stud Finder: Reinvented





Second generation of “advanced” and easy to use stud finder utilizes multiple sensors and sophisticated signal processing to filter out false positives.

For decades, stud finders have been designed based on capacitive technology that identifies changes in density behind the walls. While this technology can indicate the location of wood stud framing, it also discovers metal, plastic, wiring, and other objects in walls just as easily. Hypersensitive “deep scanning” modes further increase the potential for “false positives,” objects inaccurately identified as studs. The result is that traditional stud finders frequently chirp or flash LED lights – often to the point of distraction – to indicate something was sensed. But what exactly?

Now new, more advanced technology is being introduced to this popular tool category that promises to redefine and even reset the standards for stud finder performance and accuracy. These next-generation “intelligent” models incorporate multiple sensors and sophisticated signal processing technology to filter out “false positives.”

In doing so, these technologically advanced stud finders locate wood studs – as intended – and also recognize and filter out non-wood objects such as plumbing, conduit, straps, brackets, screws, protector plates, ductwork, plastic pipe, PEX tubing, and wiring behind the walls.

For professionals and DIYers, this innovative technology will provide a more accurate representation of what is behind the wall and significantly improve confidence that what is detected is truly a wood stud. The benefits are significant: minimized rework, less damage created, and increased safety.

And yes, it’s about time.

A common experience

Today, the challenge is only increasing. In addition to metal

plumbing and wiring, there is more behind the walls than ever, including network cabling, plastic pipes, and tubing. Complicating matters, wood framing in homes, old or new, can be inconsistent at best. Not all construction follows standard stud spacing practices of 16" or 24" on-center, and there are often additional support beams, fire blocks, and other framing features that can further muddy the picture.

Time and time again, contractors and DIYers often think they've found a wood stud only to drill into empty voids or attempt to insert fasteners and meet resistance in the form of false positives, such as copper pipes or metal protector plates. Worse yet, a pop and a spark might indicate the discovery of plastic-sheathed wiring.

The abundance of false positives detected can be frustrating enough that some users opt to leave stud finders in the toolbox in favor of techniques such as rapping on walls or drilling pilot holes.

Still, knowing the location of pipes, wires, and other dangerous obstacles behind the wall is just as valuable as knowing the location of the wood stud. Heavy items need to be mounted securely into the center of studs or they can fall, causing damage or even injury. Likewise, drilling into water lines can lead to costly repairs, and attempting to insert fasteners through live electrical wiring can result in significant safety issues.

For professionals and DIYers alike, the consequences can be considerable rework, loss of time, and decreased productivity.



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Innovation in the Stud Finder Category

Today, basic models at varying price points are available from big name brands better known for products in other tool categories.

Zircon Corporation, however, has been in the stud finder game for more than 40 years. In 1980, the company manufactured the original StudSensor™ stud finder and invented the category. The Silicon Valley-based company produces more than just stud finders, to be clear. They design and manufacture an extended range of sensor technologies in electronic hand tools spanning wall scanners, metal detectors, circuit breaker finders, drill guides, water detectors, and leveling tools.

With this background, the company continues to lead the path to innovation in the category.

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ogy alerts the user to the presence of other low signal-strength, non-metallic targets, like plastic pipe, PEX tubing, and wiring.

To simplify the delivery of this seemingly complex information to users, Zircon invested extensive time and research to understand the user experience. A new and improved user interface

provides an intuitive “go/no go” indication in response to what is being sensed. With a new haptic vibration and a patented SpotLite® Pointer that shines an arrow-shaped beam on the wall, users can clearly understand the target’s location and areas to avoid.

By filtering out false positives, users can be confident they have located a wood stud and not something else. Given the opportunity for a much clearer picture of what is behind the wall, contractors and DIYers would do well to upgrade their existing stud finder with an affordable, next-generation model that is sure to become the new standard in scanning. It would be the “intelligent” decision.

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