

Dietz Supply Company Presents

THE PERFECT FINISH MAGAZINE

Dynamic Contour Detection



Photo Courtesy of Gema Powder Coating

Issue No. 8

A Letter From Our Team

Hello, everyone! In this issue we bring you a look at GFS Industrial Paint Mix Rooms, DeVilbiss DV1 Spray Guns, a look at Dynamic Contour Detection and a powder equipment recommended maintenance schedule from Gema, and air quality equipment information from Bullard.

We would love to hear from you regarding your industrial finishing questions, experiences, and any testimonies you want to share.

You will find a success story from Antebellum Manufacturing, a manufacturer in Florida, in the following pages.

We hope you have a safe, healthy, and prosperous 2022 and beyond.

Sincerely,

Team Dietz



World Class Manufacturer of Aluminum Fences, Rails, and Gates Enlists Dietz Supply for Burn-Off Oven Project

"Antebellum Manufacturing is a manufacturing company providing the best quality service and superior products in the aluminum fence, gate, and rail market. Applications include residential, commercial, industrial, and security purposes and are distributed throughout the Eastern and Central United States.

Prior to the (PCP) burnoff oven that we recently purchased through Dietz Supply, we used a heated chemical bath which stripped the hooks of cured powder coating.



Most importantly, we needed a dependable and efficient method to clean our hooks to achieve maximum ground. We are a world class powder coating facility and consistently clean hooks are an integral part of that. This burn off oven gives us the ability to achieve our goals. With consistent ground, we can save powder and apply faster.

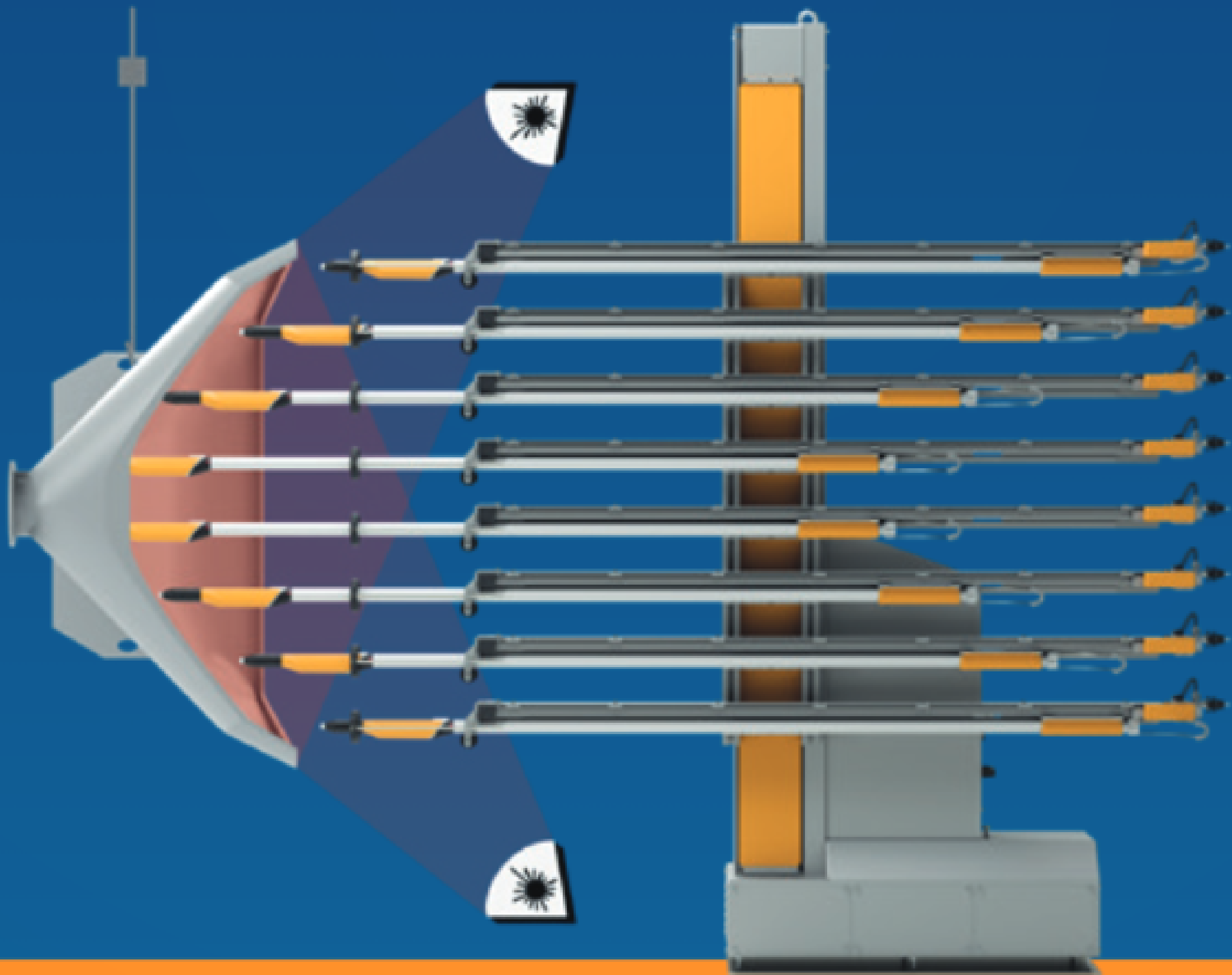
Our expectations are significant savings and increased production. Joe Jones from Dietz Supply was instrumental in helping us choose the right oven for our needs along with sourcing the quotes and handling the order and tracking processes. Dietz Supply was also very timely with getting their install crew to handle the install and start-up."

Dietz Supply Company is happy to help improve any production obstacles you may encounter. Give us a call today to speak with an industrial finishing professional.
(800)339-0699



Dynamic Contour Detection

Scan & Spray – programming-free coating of any shape



Hang any product and automatically coat at optimum quality

The second generation of Dynamic Contour Detection includes the advanced laser scanner technology paired with the enhanced generation of vertical reciprocator and gun axes.

The solution significantly extends the application range, improves the coating quality and consistency, increases first pass transfer efficiency and reduces the risk of human errors.

The application is extended to the most complex of components and geometries.



GLOBAL
FINISHING
SOLUTIONS



INDUSTRIAL PAINT MIX ROOMS

An excellent companion to our industrial paint booths, Industrial Paint Mix Rooms from Global Finishing Solutions® (GFS) provide a safe, controlled area for mixing paint. Wall panels are fabricated from 18-gauge galvanized or pre-coated white sheet steel, and are pre-punched and companion flanged for easy, on-site, nut-and-bolt assembly. GFS Industrial Paint Mix Rooms also contain a convenient, built-in, 4-inch-deep containment base for capturing potential spills.



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SAFE AIR OPERATION

Before entering the Industrial Paint Mix Room, fresh air flows through high-efficiency filters to remove dirt and dust contaminants. Air flows continuously through the enclosure and into the exhaust plenum, helping to protect personnel from harmful vapors.

ETL AND ETL-C LISTED

Standard Industrial Paint Mix Rooms are fully ETL and ETL-C listed to meet all applicable industry safety and performance requirements, and facilitate successful inspections.

SAFE STORAGE & USE GUIDELINES

The amount of flammable or combustible liquid stored in Industrial Paint Mix Rooms must be within the following limits, per NFPA 33:

- Paint Mix Rooms within 6 feet of the spray area may contain up to 2 gallons per square foot of enclosure floor area, but the combined quantities of liquids in the spray area and mix room shall not exceed 120 gallons
- Paint Mix Rooms farther than 6 feet from the spray area may contain up to 2 gallons per square foot of enclosure floor area, but shall not exceed 300 gallons
- If more than one mixing room is installed, the total quantity of liquids shall not exceed the amounts outlined above

FEATURES

- 18-gauge galvanized or pre-coated white panels
- 4-inch-deep containment base for potential spills
- High-efficiency, T8 LED light fixture(s)
- Heavy-duty exhaust fan
- 1/2 hp TEFC motor
- One personnel door with observation window
- 3-by-5-foot PIG Grippy Mix Room Mat

OPTIONS

- Control panel
- Intake fan (for pressurization)
- Exhaust ductwork
- Booth connection vestibule



Galvanized	Pre-Coated White	Inside Dimensions			Outside Dimensions			No. of Light Fixtures	AIR EXCHANGE PERFORMANCE Properly Installed Clean Filters		
		Depth	Height	Width	Depth	Height	Width		Cubic Feet	Per Hour	Total SCFM
IMRG-060608-N	IMRW-060608-N	6'	8'	6'	7' 4"	8' 10"	6' 4"	1	432	131.8	949
IMRG-090608-N	IMRW-090608-N	9'	8'	6'	10' 4"	8' 10"	6' 4"	2	648	87.9	949
IMRG-120608-N	IMRW-120608-N	12'	8'	6'	13' 4"	8' 10"	6' 4"	3	864	65.9	949
IMRG-150608-N	IMRW-150608-N	15'	8'	6'	16' 4"	8' 10"	6' 4"	4	1080	52.7	949
IMRG-060908-N	IMRW-060908-N	6'	8'	9'	7' 4"	8' 10"	9' 4"	1	432	131.8	949
IMRG-090908-N	IMRW-090908-N	9'	8'	9'	10' 4"	8' 10"	9' 4"	2	648	87.9	949
IMRG-120908-N	IMRW-120908-N	12'	8'	9'	13' 4"	8' 10"	9' 4"	3	864	65.9	949
IMRG-150908-N	IMRW-150908-N	15'	8'	9'	16' 4"	8' 10"	9' 4"	4	1080	52.7	949

GFS Industrial Paint Mix Rooms may not exceed 150 square feet. All designs, specifications and components are subject to change at the manufacturer's sole discretion at any time without notice.

Equipment Maintenance Checklist

By: Gema Powder Coating



The quality of your coating, and the length of the working life of the plant components depend greatly on the reliability of the maintenance of your plant. The following maintenance work must be carried out regularly:

Daily

- Blow out the guns, and check for sintering
- Check the setting of the spraying unit
- Keep the gun conveying air pressure low
- Check the injectors (caking/abrasion in the sleeve)
- Blow out the injectors and hoses
- Clean the plant, recovery equipment, and surroundings
- Check the suction resistance of the powder recovery unit

Weekly

- Check the grounding
- Check if the compressed air is clean, dry, and free from oil
- Check the current performance of the gun
- Check the powder hoses for sintering and kinking
- Check the stroke movement and display
- Check the filter system



INSPIRATION APPLIED

Professional painters understand they are a direct reflection of their work. It is critical to have tools that are engineered for their craft and deliver optimal performance.

The leading technicians, engineers, and designers at DeVilbiss have worked with these professional painters to create a spray gun family designed specifically for painters who demand consistent, exceptional performance from their spray gun.

DV1 is Advanced
in Atomization
and Performance

- Transfer Efficiency
- Superior Atomization
- Excellent Ergonomics
- Less Mottling
- Balanced Spray Pattern
- Stabilized Air Distribution
- Consistent Performance
- Optimal Color Match
- Easy To Maintain
- Innovative Fluid Tip



DV1
BASECOAT

THE NEXT GENERATION SPRAY GUN

PRECISION DIGITAL GAUGE

The DV1 Basecoat is equipped with an integrated digital gauge to provide precise inlet pressures for optimal gun performance and perfect color matching. The gauge is designed and placed in-line at eye-level for quick, easy checking – keeping it out of the way where it won't be covered by the painter's hand.

RECONFIGURED AIR ADJUSTING VALVE

The DV1 Basecoat combines the air inlet and the air-adjusting valve into a single "co-axial" component and places it in an ergonomic location that is more comfortable to use. The air-adjusting valve also features 12x sensitivity for precise air control adjustments and smoother air flow through the spray gun.



DV1
CLEARCOAT

REFLECT PERFECTION

THE RIGHT ATOMIZATION FOR THE RIGHT APPLICATION

The DV1 Clearcoat produces an even distribution of fine, uniformly sized particles that easily wet up a surface and flawlessly hang on vertical panels. Sprayers will instantly see an improved Distinctness of Image (DOI) and an overall brilliance in the reflective, mirror-like clearcoat finish.

OPTIMAL PERFORMANCE – MORE POWER, MORE EFFICIENT

The DV1 Clearcoat introduces a stepchange in atomization by optimizing the air velocity while maximizing fluid flow at the same time. This delivers higher application speeds at lower pressures, enhancing the overall productivity and efficiency of the gun.



DV1s
REPAIR

REFINE THE FINISH

THE BEST OF EACH

The DV1s Smart/Spot Repair gun features three all-new DV1s Smart/Spot Repair air caps, delivering superior high-efficiency performance for a perfect invisible repair finish.

AIR CAP OPTIONS

The DV1 air caps deliver consistent and homogeneous spray patterns to provide flawless, right first time results. The all-new fluid tip design matches the optimum fluid flow while stabilizing air flow, minimizing material usage, and providing significant paint savings.

Keep it cooler with a Supplied Air Respirator (SAR)

Breathing Air Filtration: High Performance Air Filtering and Monitoring

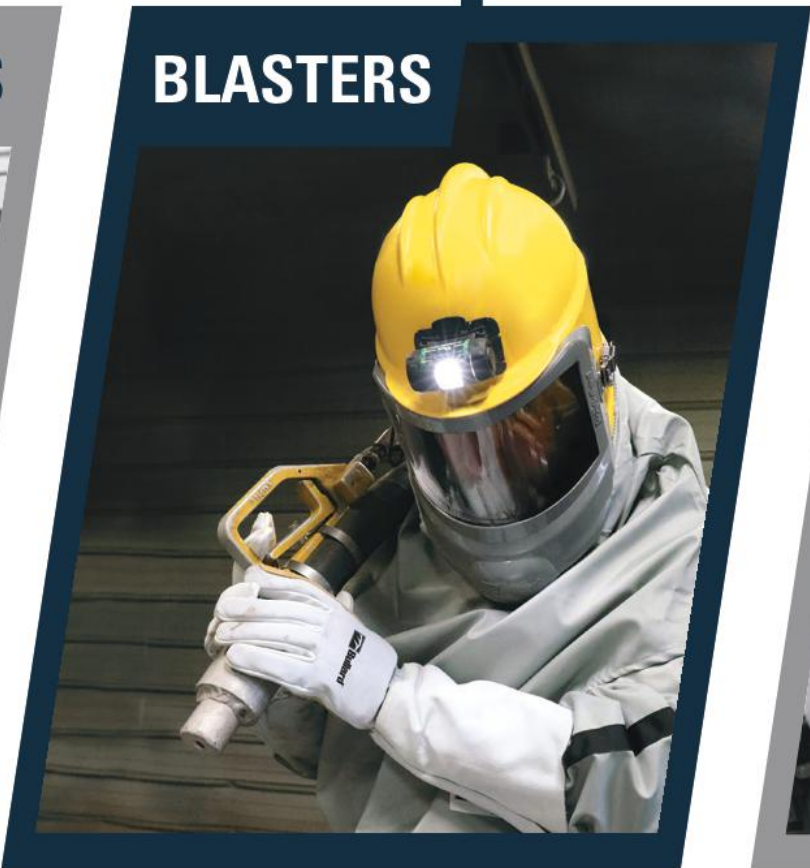
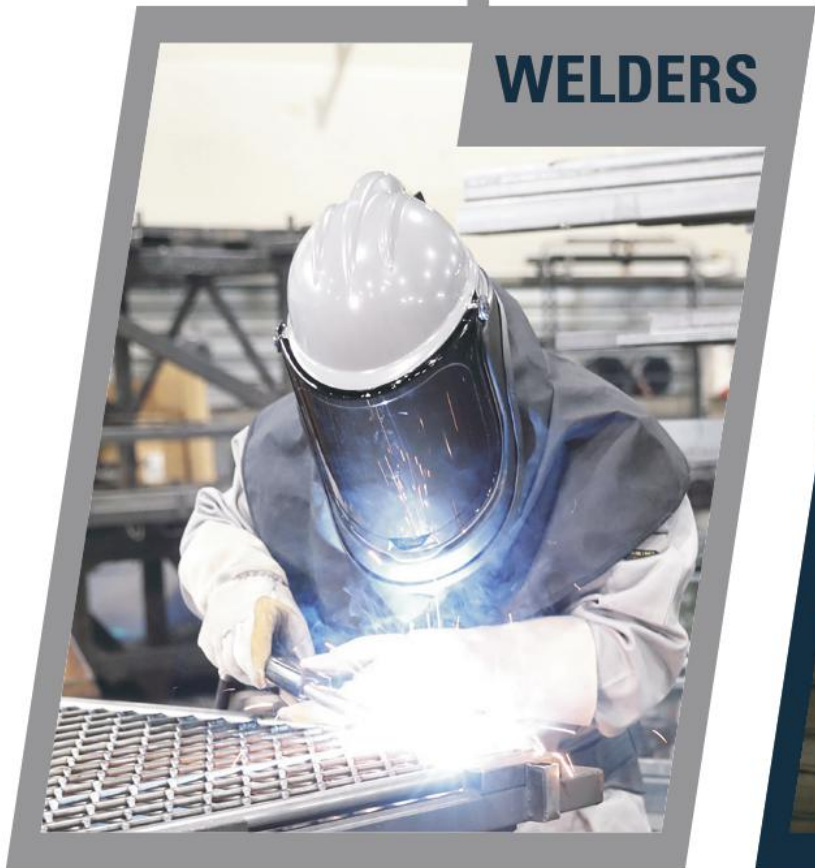
Air Quality Boxes can help employers comply with OSHA regulations by providing high-performance filtration and continuous Carbon Monoxide (CO) monitoring. *

Advantages of SAR over APR:

- No fit testing
- No need to be clean shaven
- Full dermal coverage – covers entire head, reduces skin exposure, less worker clean up
- Less respiratory stress
- Higher levels of respiratory protection
- Body temperature management – reduces heat stress, increases greater worker comfort and productivity

AirGuard Air Quality Box

- Compressed air, breathing air, filtration and monitoring
- Portable or fixed system



The Trifecta of Cooling Assemblies: pick your winner



AC1000 Cool Tube

- Get personalized comfort!
- Up to 30° from ambient air.
- Ideal for inside jobs and coatings.



HC2400 Hot/Cold Tube

- Be happy as you can be with vortex cooling!
- Hot and cold in one system!
- Ideal all year-long for evergreen outdoor jobs.



Dual-Cool Tube & Vest

- Have your own personal AC unit!
- Cools your head and your body.
- Ideal for inside jobs and coatings.

Call your local Bullard regional sales manager
for special respiratory solution packages!

www.bullard.com/sales-team



SAFETY. SINCE 1898.™

*not to be used in an IDLH environment