Dietz Supply Company Presents

The Perfect Finish

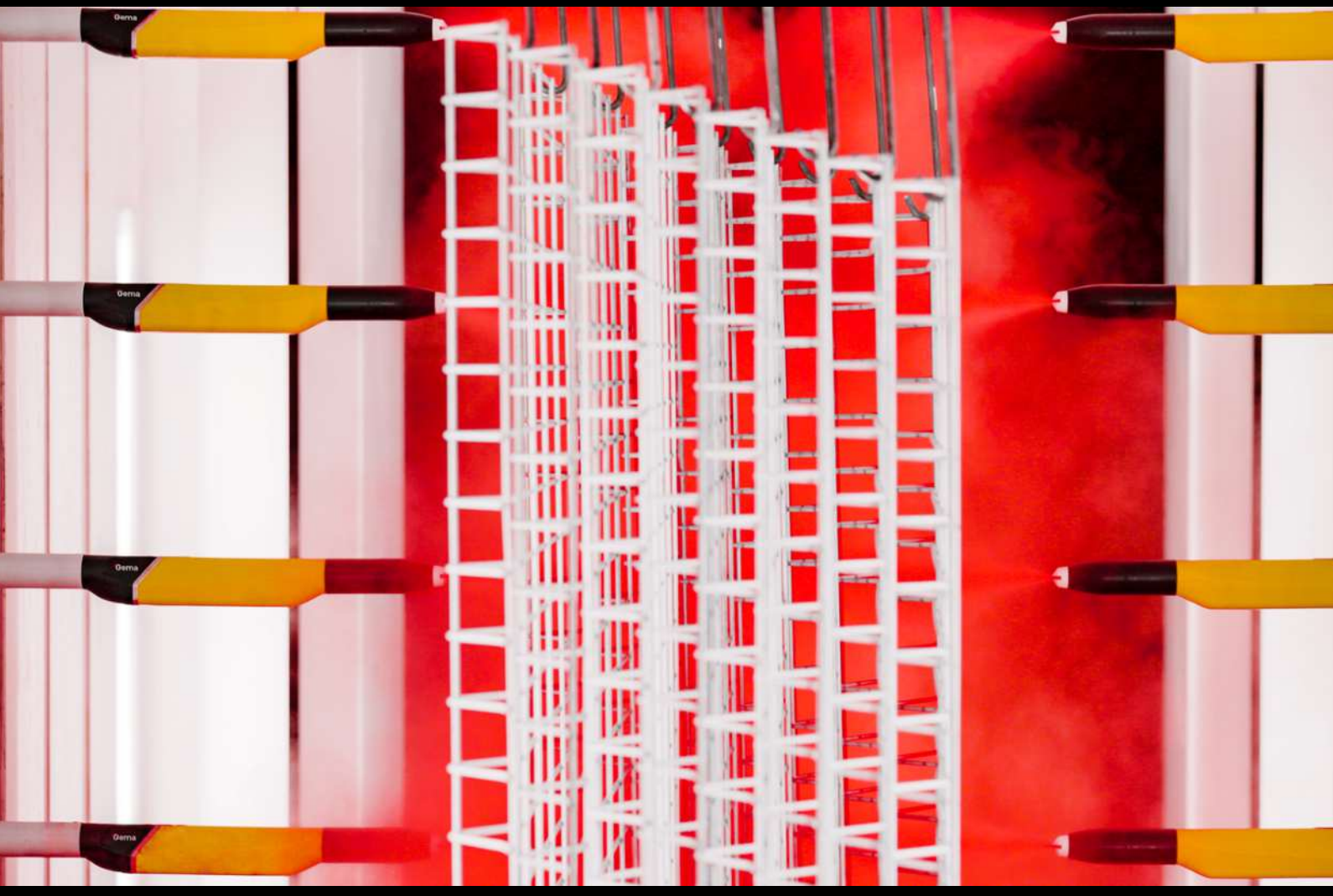


Photo Courtesy of Gema

A Letter from Our Team

In this issue we will explore Gema's outstanding PowerBoost technology; the popular DeVilbiss gun that delivers quality, comfort, and consistency; the GFS equipment that will contribute to sustainable growth in your shop; the stellar Stellair guns by Graco; and the Airguard, Bullard's portable air quality box.
As temperatures heat up this summer, we will keep you updated on the most effective ways to keep cool while in your production setting.
On April 28th Dietz Supply Company joined other industry professionals at this year's Gema Distributor Meeting. Our team is honored to receive the Best in Class Distributor Award, 275 Gun Club Award, A+ Service Award, Powder Systems Partner National Award Winner (Josh Landers), Heavyweight: Manual Gun Champion and High Flyer Champion (Joe Jones). We take pride in serving the finishing industry, and we value our team of professionals.
Contact us at (800)339-0699 or dietzsupply.com.

PowerBoost: Unprecedented Coating Performance

Thanks to Gema's PowerBoost® technology your OptiSelect® Pro GM04 manual gun and OptiGun® GA04 automatic gun can now deliver **110 kV high voltage**!

This outstanding feature gives you **extra power** to increase transfer efficiency, charge more powder and finish your coating job quicker. PowerBoost gives the gun always sufficient power reserve.

All this without compromising the safety of your operators and of your line, thanks to Gema's advanced **protection technology**.

Higher Productivity, Faster Coating Speed

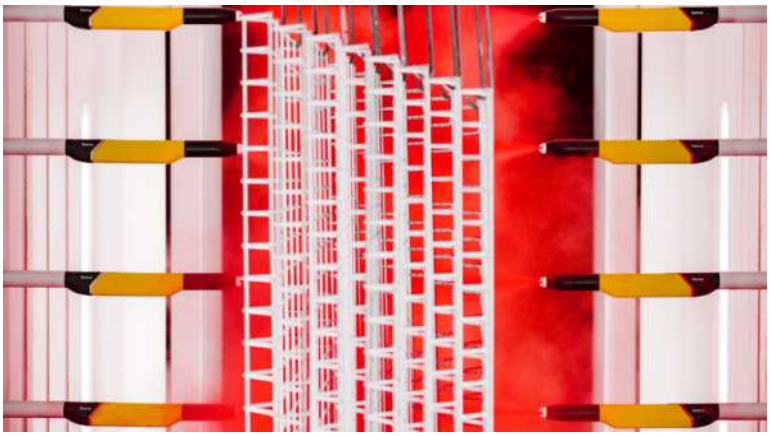
Super Safe Operation

Maximum Coating Performance

PowerBoost: How Does it Work?

The high-performance technology is based on the combination of three essential components *(see an example on the right)*:

- Electrostatic Control
  with **advanced software** for charging process and compliance with safety regulation
- Powder Gun
  with **high performance cascade**
- PowerBoost Nozzle
  has special design for more **efficient charging**



Gema
Official Distributor

REFLECT PERFECTION

IN THE CLEAR

EXPERIENCE THE NEXT GENERATION OF APPLICATION

In the world of refinishing, painters understand the balance of performance, quality and appearance. Spraying the next generation clearcoats from leading paint companies is no exception, demanding the ultimate performance from sprayers and their guns.

With the DV1 Clearcoat, DeVilbiss continues to build on the DV1 platform by introducing the latest edition of these next-generation spray guns.

The DV1 Clearcoat Spray Gun is designed specifically to provide consistency and optimization in spraying the range of industry-leading clearcoats. From high-solid clears, low-to-medium-solid clears or low VOC (solvent exempt) clears, the DV1 Clearcoat Spray Gun pushes atomization to the next level. Through faster performance, proven paint savings and superior atomization, the DV1 Clearcoat Spray Gun gives sprayers the confidence to know that they can achieve a high-quality, perfect finish every time.

The solution to spraying clearcoats has never been so clear.

Courtesy of GFS GLOBAL FINISHING SOLUTIONS

Many aspects of paint booth technology have evolved to reduce energy consumption, while also contributing to a more efficient paint environment. Not only do these technologies reduce the environmental impact of operating a paint shop, but they also lead to a cleaner, brighter and more productive operation.

In hopes of helping protect the environment, Global Finishing Solutions (GFS) has identified six pieces and components of finishing equipment that contribute to sustainable growth in your shop.

1. Recirculating Spray Booths

Recirculating spray booths provide energy savings by reducing the volume of make-up and exhaust air for the booth while maintaining accurate control of climate and airflow. They also offer capital expense savings, as air handling and abatement equipment are reduced in size when using a recirculation booth.

Typically used for custom industrial and aerospace applications, where climate control is essential for the painting process, recirculating paint booths heat, cool, de-humidify or humidify only the incoming fresh air. In many applications, the incoming fresh air accounts for just 20 to 30 percent of the total air that moves through a recirculating spray booth, making recirculation booths an environmentally friendly option.

Further energy savings can be realized in heated paint booths that recirculate heated air during the cure cycle. With recirculation an option in both spray and cure cycles, Recirculating Spray Booths from GFS offer maximum energy savings.

2. Powder Recovery Booths

Powder coating is becoming increasingly popular across both industrial and automotive refinish industries. Compared to liquid coating, powder coating does not release volatile organic compounds (VOCs), solvents or other pollutants into the air. These are commonly found in paint fumes, which are captured within paint booths.

Another environmental benefit of powder coating is that, in certain powder booth designs and uses, over-sprayed powder can be recovered and reused, saving cost and reducing waste. In recovery-style powder booths, such as GFS Powder Recovery Booths, reclaiming wasted powder is possible through fluidized beds that sit beneath the filters. Overall waste from powder coating is minimal, and it can be disposed of easily and safely.

3. Gas-Fired Industrial Ovens

For the majority of mid-range industrial ovens, gas burners are cheaper to purchase and run than electric heaters. That is largely because electric ovens are indirect-fired, meaning the air is heated indirectly, as the burner is fired into a heat exchanger. Gas ovens are direct-fired — the burner is fired directly into the process air stream to heat it.

In recent years, the cost of gas in the U.S. has been less than the cost of electricity. This drives most industrial manufacturers to select gas ovens over electric ovens, as the operational cost of electricity is so much higher.

4. Electric Infrared Curing Technology

Infrared (IR) drying technology increases paint shop throughput by providing significant time savings over a traditional cure cycle or convection dryer, as vehicles do not have to sit overnight before polishing.

5. Air Make-Up Units with Summer/Winter Mode

An Air Make-Up Unit (AMU) allows for environmental temperature control in a paint booth during coating application and curing. AMUs maintain a constant leaving-air temperature regardless of the incoming, outdoor air temperature and replenish equal amounts of fresh air for every cubic foot of air exhausted.

With an AMU on your paint booth, the quality of the coatings is not adversely affected, thanks to conditioned, filtered air that is supplied to the booth. There is no need to draw air from the facility, which improves working conditions and lowers operating costs.

Using summer/winter mode on GFS AMUs, a baseline temperature for the paint booth is more easily established. This eliminates some of the problems associated with frequent temperature fluctuations, keeping your finishing operation running smoothly even as the seasons change.

It is most expensive to run a paint booth in spray mode. Having the booth in summer mode during warmer temperatures ensures the burner stays off in spray mode. This saves on utility costs and prevents the booth from becoming too hot for painters.

6. Industrial Heat Recovery Systems

As air is exhausted from finishing equipment, heat is lost as well. Industrial heat recovery systems help reclaim some of the heat that escapes with exhausted air, providing measurable energy savings. GFS Heat Recovery Systems provide 40 to 50 percent energy savings for air make-up systems, serving the booth for both heating and cooling.

The direct-fired burner offers 100 percent thermal efficiency, as opposed to 80 percent efficiency for an indirect-fired AMU. The turndown ratio for direct-fired units is much greater than common indirect-fired units. This means better control of discharge air temperatures and better use of fuel energy to heat the air as it moves across the burner.

This is just some of the finishing equipment that can increase the productivity and energy efficiency of your operation. Whether you are investing in new finishing equipment or exploring ways to improve your current finishing environment, we encourage you to look for equipment and solutions, such as the ones listed above, that can not only improve efficiency and maximize production, but are also ecologically friendly.

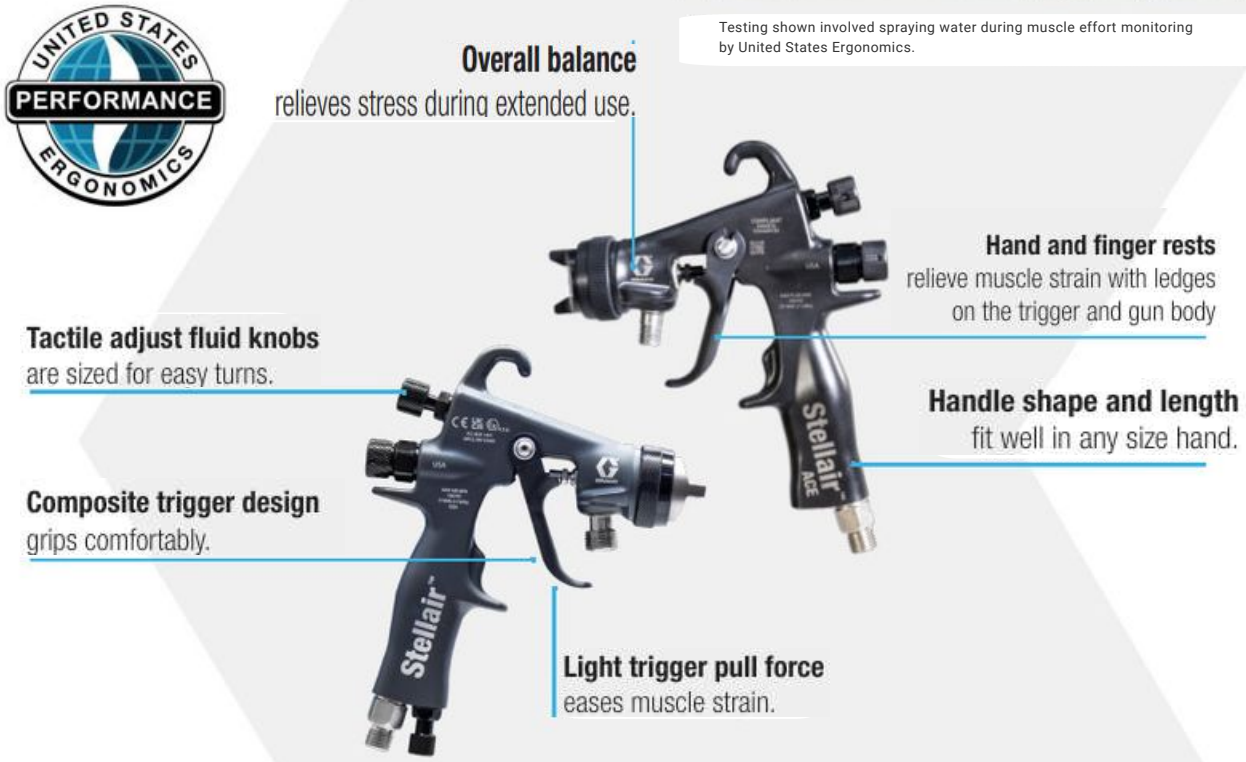
Stellair ACE and Stellair™

PRESSURE FEED AIR SPRAY GUNS

Expert-Approved Ergonomics

To make sure both Stellair ACE and Stellair give painters what they need to enjoy and excel at their jobs, Graco collaborated with United States Ergonomics.
As a result of extensive research and testing, Stellair ACE and Stellair became the industry's only paint sprayers to earn Ergonomics Performance Certification.

Testing shown involved spraying water during muscle effort monitoring by United States Ergonomics.



Flexible and Lightweight Fluid and Air Hoses

Painters benefit from the ease of movement and low muscle stress of flexible and lightweight fluid and air hoses. Swivel and hose move with you at any angle.

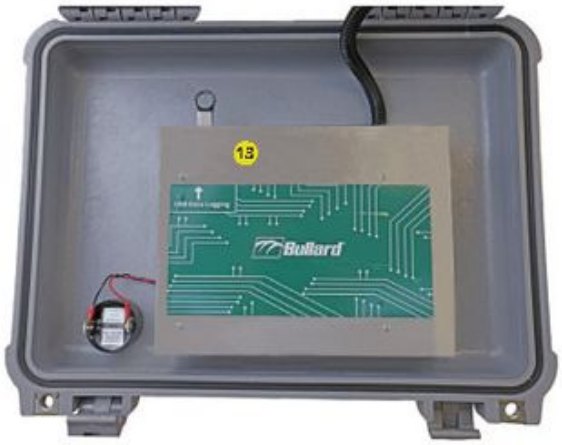
- Both fluid and air hoses are available in various lengths.
- Six-foot (1.8 meters) whip hoses connect easily to longer lengths.

Bullard®

SAFETY. SINCE 1898.™

AirGuard

Portable Air Quality Box



Bullard AirGuard Highlights

Bullard AirGuard takes monitoring your supplied air into the 21st Century with its extra-large 7"color LCD screen. Now you can clearly see the status and quality of your supplied air. Workers love its battery operated function making it portable and convenient for any job, anywhere.

It integrates supplied air filtration with sensors for Carbon Monoxide (CO) and differential dew point for both safety and supplied air comfort. With step by step calibration instructions and data logging at your fingertips, the Bullard AirGuard can help make operational record keeping and OSHA compliance reporting easier. Meets OSHA/NIOSH point of attachment requirements.

AirGuard Features

1. Made with a Rugged Pelican® case
2. 7" Backlit Color Display with Visual Alarms
3. Audible Alarm Warnings
4. Remote Alarm available
5. Filter Change Indicator
6. Wilkerson 3 Stage Filtration System That Helps Remove Oil, Water, Solid Particles, Unpleasant Odor and Taste from the System
7. Includes Pressure Regulator
8. CO and Differential Dew Point Sensors
9. Relief Valve
10. Portable – Battery-Operated, Rechargeable
11. External Quick Connect Calibration Port
12. Removable Data Logging USB Drive
13. Housing for Data Logging USB and 7" BackLit Color Display