Industrial Filtration Systems

Delivering Dust, Mist, and Fume Collection Equipment and Kitchen Emissions Systems

Parker

ENGINEERING YOUR SUCCESS.

Your Clean Air Solutions Provider

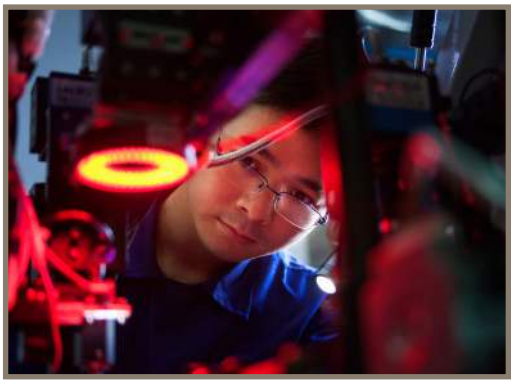
SmogHog® and DustHog® are now part of Parker Hannifin, a Fortune 250 global leader in motion and control technologies. For 100 years the company has engineered the success of its customers in a wide range of diversified industrial and aerospace markets. Parker's engineering expertise and broad range of core technologies uniquely positions the company to help solve the world's greatest engineering challenges.

Our commitment to you is demonstrated by our continuous investment in research, leading-edge technology, and a passion for building high-performance products proven to deliver results. We provide clean air solutions that protect your employee's, help you remain compliant, improve plant performance and enable you to realize your operating goals for five decades.

Dust, Fume, and Mist Collection, and Commercial Kitchen Emissions, we have the most comprehensive expertise to engineer air filtration solutions, not just products. Clean air. It's what we do.®

Our air pollution control experts, our representatives and our worldwide network of experienced professionals can assist you in determining which air cleaning equipment, filter technology, accessories, and designs best fit your unique needs and objectives. We also have a team of customer service specialists, and application engineers who are ready to answer questions before, during, and after your system is installed.

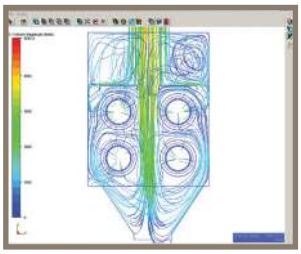
Choosing the Right System and Expertise for Your Operation



Just about every industrial process generates airborne pollutants in the form of dry particles, fumes, vapors, or mists. These contaminants are often toxic and, if not properly controlled, can lead to an unsafe work environment or pollution in our environment. It is critical to select an air filtration system and manufacturer with the experience to solve your company's specific air quality issues effectively. Learn what we can do to help you solve your airborne pollutants issues.

Quality and Performance Tested

You can trust that our products will perform reliably. Quality begins within our product development processes where our scientists and engineers study behavior of dust and mist contaminant in our on-site laboratories before the team develops effective removal technologies. Our equipment and filters are manufactured to the highest standards with ISO 9001:2008 certification and 3rd party certified performance testing. We provide quality products and solutions that you can depend on to meet your air pollution control needs.



Advanced Engineering Technology

Parker Hannifin engineers have access to the latest computer tools in the industry to assist in the design and applications of our high-quality air cleaning systems. Programs like Finite Element Analysis (FEA) allow us to verify the structural integrity of our products and Computational Fluid Dynamics (CFD) provide detailed airflow and particle behavior, so we are able to evaluate and fine-tune the functionality and operation of our equipment before a unit is actually built. The benefit is optimized product performance, maximized filter efficiency, increased filter life, and a reduction in total operating costs.

Commitment to Research

As the recognized leader in industrial and commercial air filtration solutions, we continually develop the most advanced filtration technology available. ProTura® DustHog® (DH) nanofiber and BHA® Preveil® membrane technology deliver improved performance to our dust collection family. Our PEACH® saturated depth coalescing media and our best in-class electrostatic precipitators (ESP) solve the most difficult mist and fume collection challenges. We have a commitment to research and will continue to invest and discover new technologies that solve virtually any industrial or kitchen emissions challenge your company may be facing.

Customized, Integrated Solutions

For specialized needs, our engineering team can customize equipment and systems to fit your unique application. We have a long history of tailoring our solutions to meet specific requirements and capacity restrictions. Contact us today if you require a specialized solution.

Put Clean Air to Work for You

Cleaner factory air can provide many advantages including improved workplace safety and employee health, decreased housekeeping and maintenance costs, compliance with increasingly stringent OSHA and EPA standards, and overall better product quality. We offer a breadth of effective products to ensure you get the right solution for your operation.

Our knowledgeable representatives are ready to work with you to recommend the best air cleaning products to fit your application—no matter how complex it may seem.

The Most Effective in Removal of Mist and Smoke

SmogHog® mist collectors are among the most effective and efficient in the removal of mist and smoke for customers in the metalworking industry.

We are excited to share the new technology we have incorporated into the SmogHog product line. We now offer both Electrostatic Precipitators (ESP) technology and coalescing media filtration technologies. Different processes and fluids create a variety of contaminates and challenges. It is imperative that the right technology is applied to achieve a solution that is both effective and efficient. Our application engineers will ensure you receive the solution that is right for your application. We don't force fit customers to our products, we let the plant objectives and application needs drive us to the right solution.

Technical Superiority in Both Solutions

Coalescing Media Filtration. We feature PEACH® saturated depth coalescing Media that was engineered specifically to capture oil mist and coolant contaminants. The media provides an open 3-D depth matrix structure which allows liquids to saturate the media depth and then drain with gravity, all while maintaining a low differential pressure. Search 'SmogHog SHM' on YouTube to watch the coalescing media video.

ESP Technology. We were the first company to employ ESP technology to collect wet pollutants from industrial manufacturing processes. No other electrostatic unit on the market can match a SmogHog in efficiency, effectiveness and long-term cost savings for the collection of oil smoke and coolant mist. SmogHog mist collectors are available in a variety of sizes and versatile configurations to fit your company's needs. Depending on your application, systems can be ducted, unducted, hung from the ceiling, machine-mounted, portable, and even installed outdoors!

Dust Collection for Nearly Any Application

We have high-quality, precision-engineered dust collectors to meet the needs of virtually any application. Energy efficient and maintenance friendly, our dust collection units come standard with features like QuickSeal release doors and Cam-action locking bars for quick and easy filter changes, pressure gauges that indicate when cartridges need to be changed, and lightweight, easy-to-remove dust drawers. We have also developed a patented pulse cleaning technology, which maximizes the cleaning power and energy delivered to cartridge filters, providing complete surface cleaning and assuring years of dependable performance.

Upon evaluating the characteristics and concentration levels of airborne dust at your job site, our highly qualified applications engineers and authorized respresentatives l can help you properly select the size and type of air cleaning system that will provide the best air quality solution. We have a product portfolio that covers all types of application needs, and we also customize solutions to meet your unique needs when the turn-key equipment isn't the right fit.

Meeting Your Filtration Needs

We have custom specifications for our a complete line of high-performance replacement filters, including ProTura® DustHog (DH) nanofiber cartridge filters, that are compatible with virtually every major brand of industrial air cleaning equipment. Available in a wide range of media blends and sizes, these superior filters effectively perform in the most rugged industrial environments and provide efficiency up to 99.999%.

We are at the forefront of technology and innovation; we develop and manufacture proprietary filter media technologies using our advanced research capabilities to ensure the latest developments are in our filters. Our engineers study the full solution, designing and testing to ensure the filter media, product construction, and filter cleaning technology found in the equipment are optimized to work in tandem, leveraging the features and technology of each to ensure the final solution delivers the best possible dust collection remedy.

Please refer to pages 8-11 for detailed views of equipment

1 Machine Mount Mist Collectors
SmogHog® MSH compact electrostatic collectors capturing smoke at the point of generation and offering flexibility in your plant.

2 Central System Mist Collector
SmogHog PSH & PSG Series are electrostatic units designed with modular construction to allow collection from multiple sources, indoors or outside. Units offer the highest efficiency levels in emission collection, with the ability to handle airflow ranging from 750 CFM to 40,000 CFM.

3 Portable Mist Collector
SmogHog PCN self-contained, two-stage, electrostatic precipitator designed for heavy-duty applications.

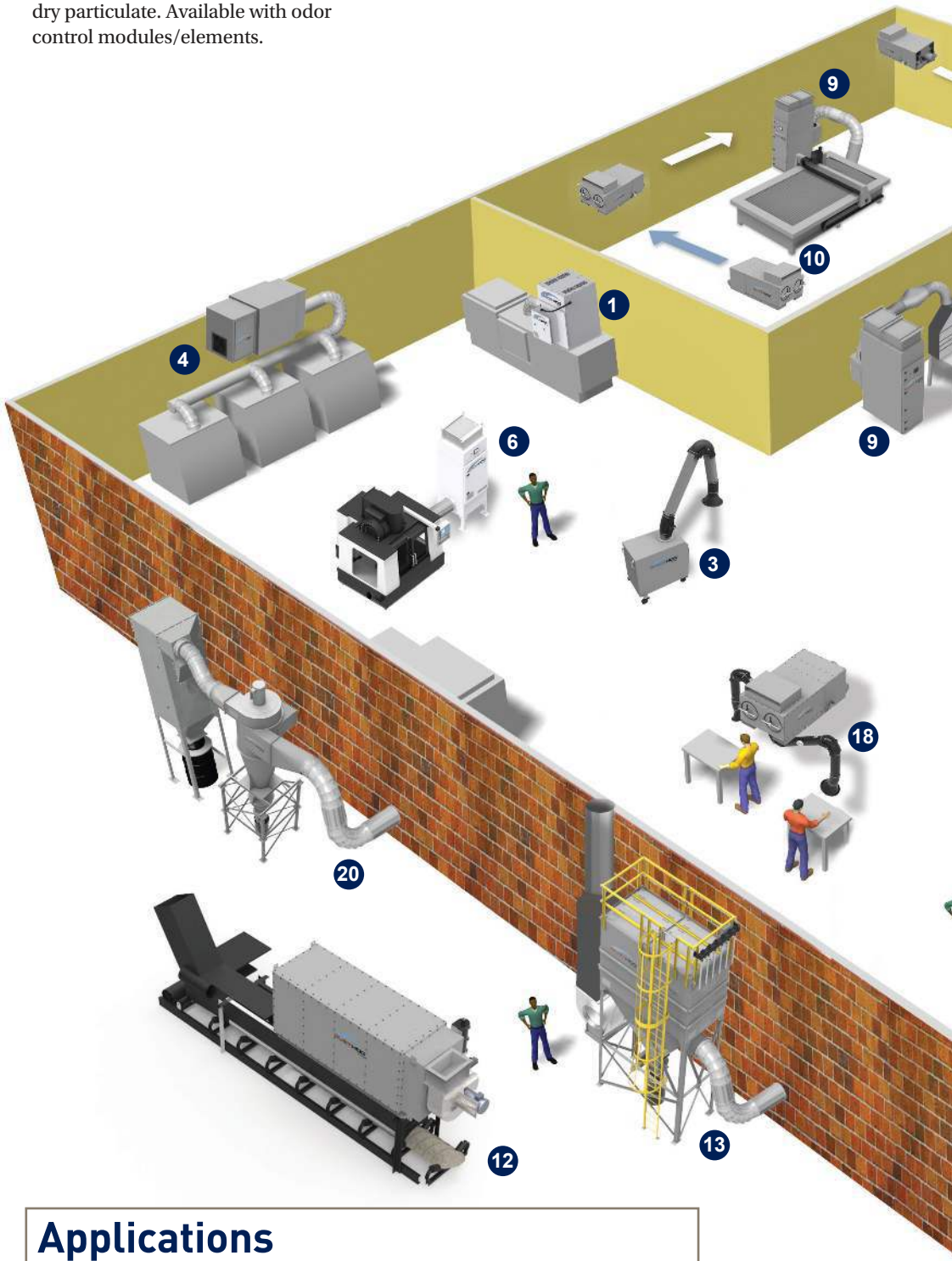
4 Ceiling and Machine Mount Mist Collector
SmogHog PSG source capture units with mobile in-place cleaning system to capture high-volume smoke and coolant emissions.

5 Machine Mount and Ceiling Collector
SmogHog SHN uses electrostatic precipitator technology to capture oil smoke and mist particles.

6 Media Mist Collector
SmogHog SHM featuring PEACH® saturated depth coalescing technology.

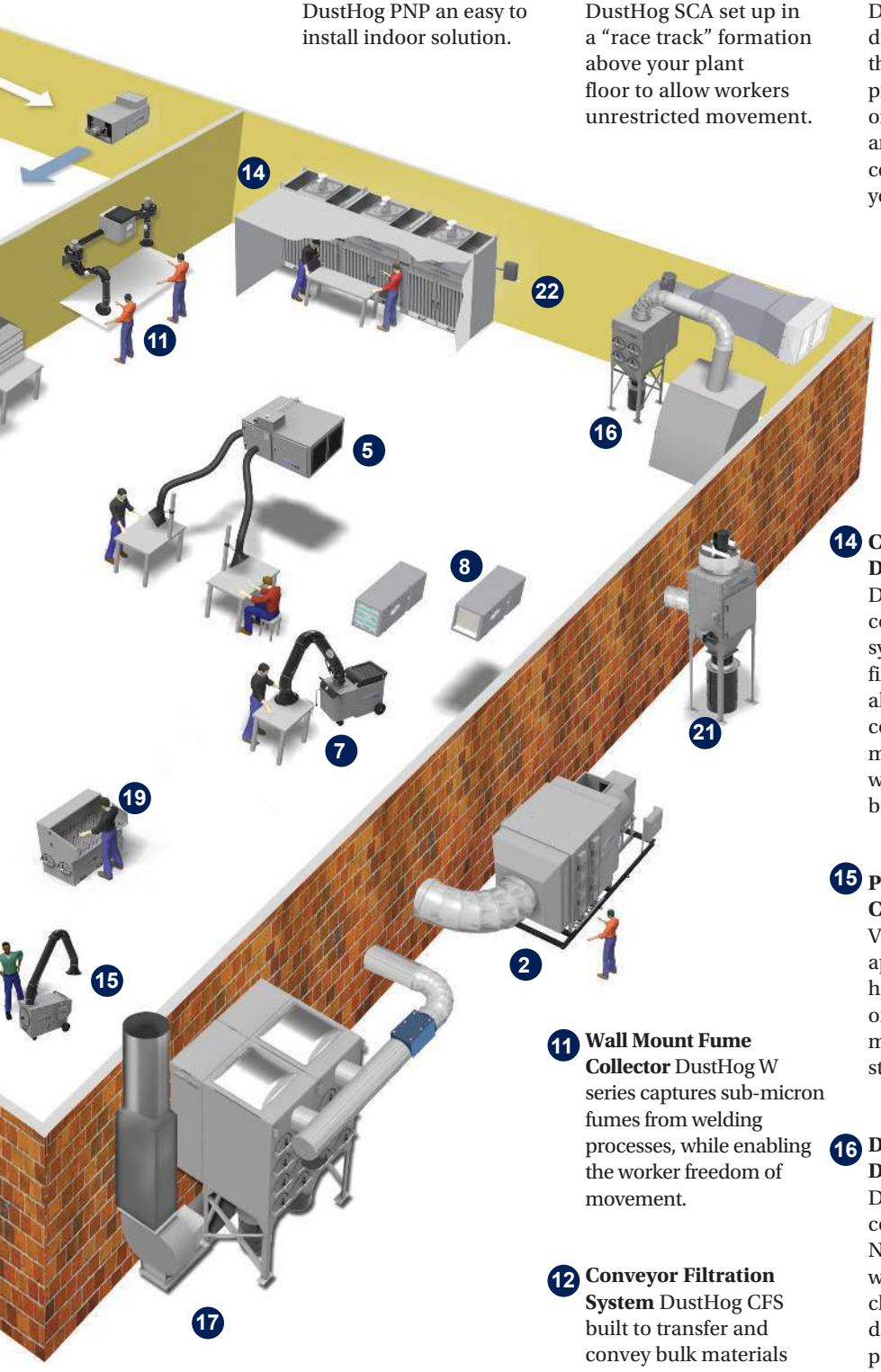
7 Portable Weld Fume Collection.
SmogHog WP series, a weld fume extractor captures and contains contaminants from multiple locations within a facility.

8 Media Mist Collector
DA, DB, DBM capture both wet and dry particulate. Available with odor control modules/elements.



Applications

Our floor plan shows many of our products used in a variety of industrial applications. All systems can be customized to meet your company's individualized air quality needs.



9 Plug-n-Play Cartridge Dust Collector
DustHog PNP an easy to install indoor solution.

10 Ceiling-Mount Dust Collectors
DustHog SCA set up in a "race track" formation above your plant floor to allow workers unrestricted movement.

11 Wall Mount Fume Collector DustHog W series captures sub-micron fumes from welding processes, while enabling the worker freedom of movement.

12 Conveyor Filtration System DustHog CFS built to transfer and convey bulk materials that generate large amounts of dust which present air quality, safety, and maintenance challenges.

13 Modular Industrial Baghouse
DustHog MIB this heavy-duty collector includes the best in- class filtration, proven BHA® PulsePleat® or Preveil® technology, and customizable configurations to address you unique needs.

14 Cross-Ventilation Dust Collector
DustHog MCB is a completely self-contained system providing high-filtration efficiency and allows your workers complete freedom of movement. Often used with a containment booth.

15 Portable Cartridge Dust Collectors DustHog VP Series ideal for applications where large hoods are impractical or where your employee moves from one work station to another.

16 Downward Flow Dust Collector
DustHog SFC Series combines ProTura Nanofiber technology with a patented pulse cleaning technology delivering improved performance.
The modular and configurable design provides a flexible dust collection solution for many industrial dust collection applications.

17 Downward Flow Cartridge Collector
DustHog SFC cartridge dust collector can be installed inside or outside and configured to handle most dust collection applications including combustible and explosive dusts.

18 Ceiling-Mount Dust Collector
DustHog SCB collector with two XA extraction arms for excellent source capture.

19 Downdraft Bench Cartridge Collector
DustHog SDB unit offers an integrated heavy-duty work surface and high-capacity dust drawers.

20 Cyclone Dust Collector
DustHog C-Series with after-filter removes large-size contaminants or heavy dust loads. Can be used indoors or outdoors.

21 Self-contained Shaker Dust Collector.
Dusthog SDC intermittent duty, modular unit offering easy expandability.

22 Pulse Control Panel
Differential pressure panel displays pressure levels and can be programmed for on-demand cleaning.

SmogHog® Product Portfolio

1

SmogHog MSH

2

SmogHog PSH & PSG

3

SmogHog PCN

4

SmogHog PSG

5

SmogHog SHN

6

SmogHog SHM

SmogHog® Product Portfolio

7

SmogHog WP

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DA, DB, DBM

DustHog® Product Portfolio

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DustHog PNP

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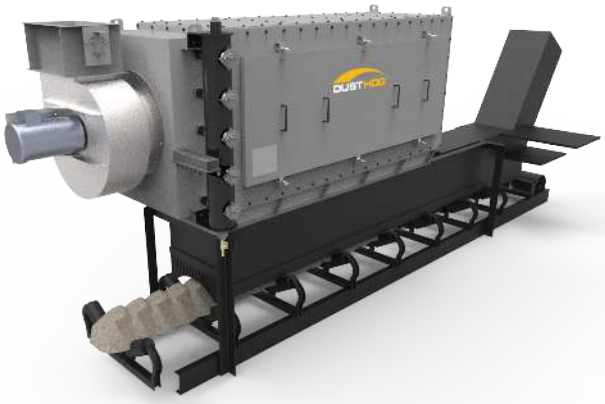
DustHog SCA

11

DustHog W

12



DustHog CFS

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DustHog MIB

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DustHog MCB

DustHog® Product Portfolio

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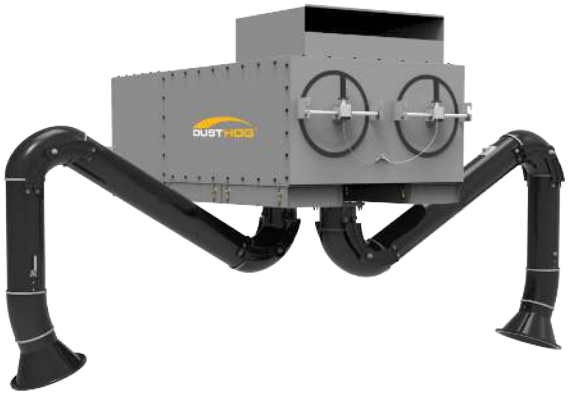
DustHog VP

16 17

DustHog SFC

18



DustHog SCB

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DustHog SDB

20

DustHog Cyclone

21

Dusthog SDC

Providing Clean Air Solutions

Parker Hannifin is committed to providing clean air solutions that protect your employees, improve plant performance and enable you to realize your operating goals.

State-of-the-Art Labs and Advanced Filtration Research for Optimized Performance. Purpose-built labs and test facilities with the latest equipment allow our engineers and technicians to quickly and accurately assess filter capabilities and develop innovative new medias.

High Performance Filters & Specialized Equipment Solutions. With decades of experience manufacturing high performance original equipment and aftermarket filters to meet a variety of system types and configurations, we can satisfy whatever requirement is needed including customized solutions.

World-class Manufacturing Processes with a Global Footprint. We produce top quality filtration solutions through stringent manufacturing processes.

Application Expertise for Any Filtration Challenge. Our ability to design a solution to fit your application begins with engineering expertise proven by hundreds of global installations.

Industrial Applications

- Abrasive Blasting
- Carbon Black
- Cement
- Chemicals
- CNC Machining
- Coal-Fired Boilers
- Cold Heading
- Die Casting
- Food Processing
- Lime
- Metals
- Metalworking
- Pharmaceutical
- Plasma & Laser Cutting
- Plastics Processing
- Powder Paint
- Thermal Metal Spraying
- Utility
- Waste-to-Energy
- Welding
- Woodworking
- Other Applications
- Custom or OEM Applications

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PH1902-019

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