

WHY ONE EYE INDUSTRIES?

## EXTENDING THE LIFE OF YOUR EQUIPMENT



1" magnetic filter elements with varying loads of contamination



SOLVING TOMORROW'S CHALLENGES TODAY.



## THE LEGEND OF ONE EYE

### THE NAME 'ONE EYE' COMES FROM A LEGENDARY STORY OF COURAGE AND DETERMINATION

The company name is based on the story of a one-eyed grizzly bear who lived in the heart of the Canadian Rockies.

The story goes something like this:

One dark night, a large, ferocious grizzly broke into a hunter's camper. The startled hunter fired at the snarling grizzly as it was charging through the camper door. In self-defense, the terrified hunter grabbed rifle and put a bullet straight through the grizzly's eye; the startled bear took off and escaped into the forest. Afterwards, famous hunters and intrepid game wardens desperately searched the forest to find this dangerous, wounded bear.

He was never caught.

He anticipated every trap. He outsmarted his competition. He became the cunning phantom grizzly named One Eye. As time passed, the legend of One Eye grew just as the grizzly grew larger, more powerful, and more menacing every year. So potent is this legendary bear, that in the end, even all his offspring were powerful, menacing, and one-eyed! One Eye's intelligence, grit, and ability to beat the odds is







## OUR MISSION

To be the trusted partner of industrial machinery operators around the world.

## WHY OUR CUSTOMERS CHOOSE US

OEI magnetic filtration is the simplest way to achieve rapid payback with the lowest risk by extending the life of rotating equipment. As a result, safety is improved while substantially reducing costs and the environmental impact of operations.

## SOLVING TOMORROW'S CHALLENGES, TODAY.

They say, "necessity is the mother of invention." Perhaps we invent to fulfill basic needs. We see a void and we believe we can make that void go away. Sometimes though, our goals are loftier than that, and we actually believe our world can become substantially better.

This is the true motivator behind invention.

However, some inventions are flawed – where obsolescence is planned and built into the solution itself. Occasionally, something as fundamental as the approach to solving a problem can cause other problems. OEI decided to take a loftier approach: we believe we can solve tomorrow's challenges with today's technology, and magnetic filtration can address a variety of needs while also challenging our imagination's limitless possibilities where the industrial world is concerned.

For 18 years, we've focused on achieving rapid payback with minimal risk. We believed we could improve safety while also reducing the environmental impact of operations, and we've proven we can do it time and again. We strive for longer-lasting equipment with better reliability and reduced operating costs. This is what drives us. This is our better world.

This is our better solution. We keep a sharp focus on all of these goals because being mindful of the changing world enables us to identify and solve challenges that others may not have even seen yet.







## TABLE OF CONTENTS

WHY ONE EYE INDUSTRIES	7
SERVING INDUSTRIES AROUND THE WORLD	8
PROVEN RESULTS IN DEMANDING APPLICATIONS	10
PROTECTING YOUR EQUIPMENT	12
WHY ISO STANDARDS ARE NOT ENOUGH	14
ORDER FORM	16
ALL PRODUCTS: OVERVIEW	17
CORE TECHNOLOGY: OVERVIEW	19
MAGNETIC FILTER ELEMENT	22
ADD-VANTAGE 9000 SERIES	28
ULTRASONIC ENVIRO-WASH 9000	42
SCRUBBER SERIES	44
Y-STRAINER SERIES	50
MAGNETIC FILTER PLUGS	56
BEAR TRAP MAGNETIC FILTER PADS	58
MAGNETIC PATCH	60
KIDNEY LOOP SYSTEMS	70
HYDRAULIC POWER UNIT (HPU)	66
SPECIALTY MOBILE APPLICATIONS	68
INDUSTRIAL AND FOOD PRODUCTION APPLICATIONS	70
DISTRIBUTOR SALES KIT	72
FLUID MANAGEMENT	74
TERMS AND CONDITIONS	78



## PROVEN AROUND THE WORLD

### GLOBAL SUCCESS ACROSS DIVERSE INDUSTRIES

OEI magnetic filtration is employed internationally by leaders in the oil and gas, mining, commercial and residential building, manufacturing, transportation, food, pharmaceutical, defense, petrochemical, and marine industries. OEI magnetic filtration systems apply to engines, gearboxes, hydraulics and pneumatics, processed products, cooling systems, and water systems. Each filter employs a magnetic filter element with a patented radial field configuration for high holding strength. These systems operate with minimal flow restriction and are proven to capture both ferrous and non-ferrous contamination in rotating equipment applications. The first OEI filtration system was installed in 2001, and has been proven successful in over 40 countries.

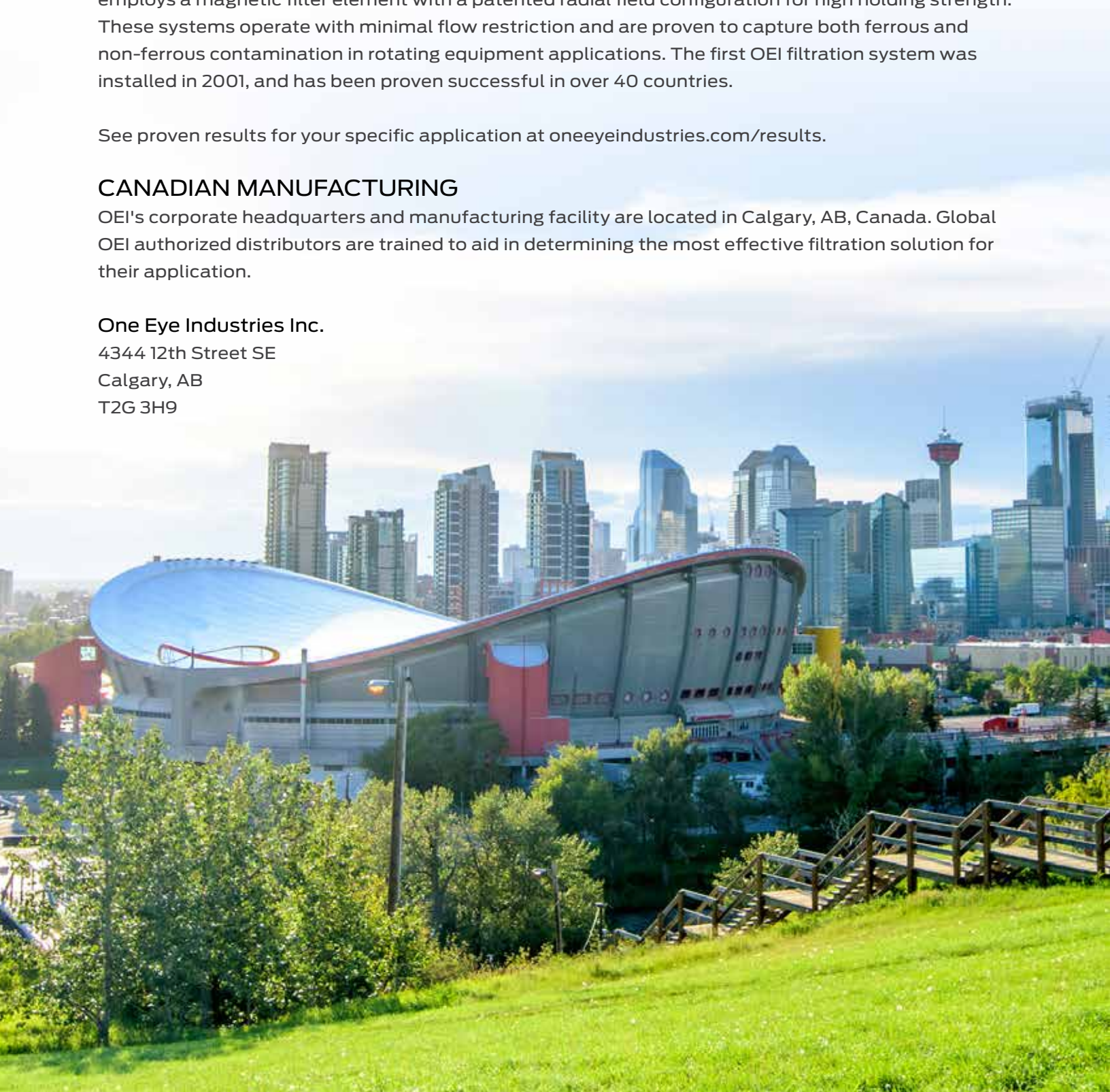
See proven results for your specific application at [oneeyeindustries.com/results](http://oneeyeindustries.com/results).

### CANADIAN MANUFACTURING

OEI's corporate headquarters and manufacturing facility are located in Calgary, AB, Canada. Global OEI authorized distributors are trained to aid in determining the most effective filtration solution for their application.

#### One Eye Industries Inc.

4344 12th Street SE  
Calgary, AB  
T2G 3H9



## WHY ONE EYE INDUSTRIES



PROFIT

### PROFITABILITY

OEI designs and manufactures reusable magnetic filtration systems for equipment fluids. As the sustainable alternative to conventional filters, each filter is optimized for its application and exceeds fluid cleanliness standards. This helps to prevent failure, reduce unplanned maintenance, and minimize downtime. The initial cost of an OEI product is quickly realized in the continued savings the product brings to any reliability program.



SAFETY

### WORKPLACE SAFETY

Preventing unplanned maintenance and extending service intervals results in reduced travel to and from sites, exposure to elements, treatment of toxic materials, and the opportunity for injury. Optimal fluid cleanliness extends the life of critical systems by preventing component, system, and eventual equipment failure and replacement. This allows for extended service intervals and a reduction in labour-intensive maintenance. Increased uptime ultimately means increased production.



ENVIRONMENT

### ENVIRONMENTAL RESPONSIBILITY

With a product life of 18+ years, OEI technology helps to reduce your environmental footprint. As the alternative to conventional filtration, each filter is cleanable, requires minimal consumables, and operates without the use of utilities. Reusable components reduce the environmental impacts and costs associated with the disposal and replacement of conventional filters, fluids, and other equipment components.



# SERVING INDUSTRIES AROUND THE WORLD



OIL & GAS  
WELL STIMULATION

OEI provides unique solutions with proven success protecting high-pressure pumps, compressors, and injectors, as well as standard systems such as hydraulics, reservoirs, engines, and gearboxes.



OIL & GAS  
PLANT

OEI offers innovative and performance-driven magnetic filters that reduce plant operating costs. OEI filters have application on all rotating equipment in midstream and downstream plants.



POWER  
GENERATION

OEI has an extensive range of products tailored to meet the demanding applications of power generation facilities. Filters protect equipment, reduce downtime, and improve profitability.



DEFENSE

Effective filtration within aircraft and military equipment is vital to ensure all systems are protected from wear contamination that damages system components and leads to equipment failure.



MINING

Mobile equipment costs are ever increasing from operation, labour requirements, and capital investments. OEI filters reduce costs by minimizing fluid, filter, and component replacement.



TRANSPORTATION

OEI filters prevent scored injectors, damaged engine components, poor lubrication quality, and deteriorated hydraulic components on aerospace, marine and vehicle equipment.



PULP & PAPER

OEI magnetic filtration meets the demand for pulp and paper processing with minimal flow restriction and optimized application designs. These filters are perfect for pulp slurries and produced water.



MANUFACTURING

Effective filtration of industrial manufacturing fluids is critical to facility operations and product quality. Filtration is important for CNC machining, parts washing, hydraulics, water systems, and engines.



FOOD  
PROCESSING

In food production, contamination can manifest in the water, air, blending, processing, storage, or transport of product. OEI filtration improves final product quality of fresh and processed foods.



BUILDING  
OPERATIONS

Boilers, chillers, water loops, and heat exchangers all require quality filtration of hard wear particles (iron, silica, sodium) to protect tight-tolerance components from wear and failure.



RENEWABLE  
ENERGY

OEI cleanable filters require maintenance intervals of 6 months to 1 year. We strive to be the most trusted partner for maintenance technicians operating in the most demanding locations.



MUNICIPALITY

The global impacts of fuel emissions and water quality are provoking governments to source clean technologies for improved municipal operations. OEI meets the requirements for these types of initiatives.





## PROVEN RESULTS IN DEMANDING APPLICATIONS



HYDRAULICS

Protect your hydraulic equipment from fluid degradation. Sub-micron filtration is critical to protect valves and bearings which ensures your hydraulic systems perform to expectations.



PNEUMATICS

Protect instrumentation such as valves, bearings, pneumatic motors, and air breathers. Solid particles contaminate air systems through ambient air intake, corrosion, and carbon build-up.



PUMPS

Protect pump components from wear contamination with the assurance that your pump won't cavitate. OEI filters operate with minimal flow restriction so they don't starve pumps.



PROCESS & UTILITY WATER SYSTEMS

Protect utility and process water from rust and corrosion contamination. Common applications are cooling lines, boiler feed lines, reservoirs, and process water lines.



PRODUCT LINES

Successfully filter pulp slurry, production materials, foods, or fluids. OEI filters are designed to meet application parameters such as flow rate, viscosity, and pressure. OEI has proven success improving final product quality in various production applications.



ENGINES

Extend service intervals. OEI technology applies to natural gas, diesel fuel, and steam turbine engines. The OEI advantage is high holding capacity filters with continuous filtration in bypass.



FUEL SYSTEMS

Reduce emissions by protecting high-pressure fuel injectors from sub-micron wear contamination that wears nozzles and degrades engine performance and burn efficiency.



COOLANT LINES

Protect engines from glycol leakage that leads to sludge deposits, oil-flow restriction, cold engine seizures, additive precipitation, formation of corrosive acids, and oil balls.



PARTS WASHERS

Move away from conventional bag filters to improve product quality and earn repeat sales. Contaminated washer fluid is the reason why machined products fail painting and final quality control.



MILLING MACHINES

Improve the quality of cooling/cutting oil used in your CNC machines to extend operating life, ensure efficient heat transfer, prevent re-cutting or welding of filings, and reduce the risk of tooling fracture.



GEARBOXES

Put an end to wear contamination that causes 80% of your equipment failures. Prevent the degradation of gearbox components that leads to catastrophic system failure.



COMPRESSORS

Eliminate engine lube oil degradation. Protect close tolerance components, like seals and valves, that are critical to the operation of compressors.



TOTAL PROTECTION KITS

Protect mobile equipment bumper to bumper. Magnetic filtration kits protect all system fluids: coolant, hydraulic fluid, water, fuel, and lube oil.



SUMPS & RESERVOIRS

Protect your mobile and stationary equipment by employing OEI magnetic filtration to remove the contamination that degrades components and builds up sludge in reservoirs and sumps.



HEAT EXCHANGERS

Improve heat transfer efficiency by capturing the particle contamination sourced from airborne entry, corrosion contamination, and mineral deposits.



## PROTECTING YOUR EQUIPMENT

### FLUID CONTAMINATION CAUSES EQUIPMENT FAILURE

To protect equipment and extend operating life, operators must employ new filtration technologies capable of removing the wear contamination that damages critical systems down to 4 microns and below. The primary sources of fluid contamination are the formations where the oil was produced, the machining and manufacturing processes of system components, air intake, and the initial break-in of equipment.

- » Today's material quality, design and machinery function at a high level; the tolerances for rotating equipment components are precise. Quality bearings and servo valves for pneumatic and hydraulic systems have a 1µ tolerance. Magnetic filtration must accommodate these new tolerances; One Eye radial field, rare-earth magnetic technology meets this new standard.
- » Traditional filtration is challenged to clean wear contamination <10µ because custom filtration for this capability is expensive and requires frequent changeout. The alternative, bypass filtration, is helpful on many applications however is expensive and requires a full flow rate to be effective.
- » Standard analysis programs such as Spectographic, Millipore and Ferrographic Analysis do not identify contamination <4µ.

**82%**

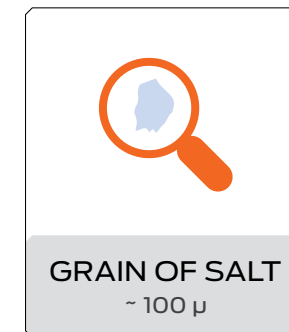
of mechanical wear  
is due to wear contamination



\*Source: Noria Corporation

### UNSEEN DAMAGE IS THE MOST EXPENSIVE

Contaminants in oil are typically measured in microns (one millionth of a meter) which is equal to 0.000039 inches. Since the human eye cannot detect wear particles less than 40 microns, almost all of the damage caused in equipment comes from contaminants in the fluid that we can't even see. Research has proven that the wear particles that damage the most are under 4 microns. Conventional filters rarely catch contaminants less than 30 microns.



### THE CHAIN REACTION OF BROKEN-DOWN EQUIPMENT

Interrupting and restarting production consumes more energy and profit due to inefficient operations. The initial purchase of an OEI filter is quickly recovered when accounting for extended maintenance intervals, extended operating life, reduced labour, and prevented downtime.

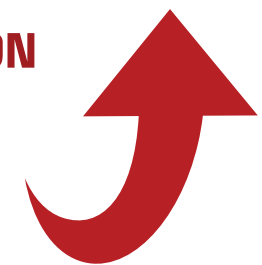
WITH  
PROACTIVE MAINTENANCE

- ▶ **PRODUCTION**
- ▶ **EFFICIENCY**
- ▶ **MORALE**
- ▶ **PROFIT**
- ▶ **TRUST**



WITHOUT  
PROACTIVE MAINTENANCE

- ▶ **UNPLANNED MAINTENANCE**
- ▶ **LOST PRODUCTION**
- ▶ **LABOUR**
- ▶ **SAFETY RISKS**
- ▶ **POTENTIAL FAILURE**





## WHY ISO STANDARDS ARE NOT ENOUGH

ISO fluid cleanliness standards are no longer relevant because of advances in the machining and manufacturing of equipment components. ISO recommended fluid cleanliness ratings do not account for the most damaging wear particles under 4 microns. ISO standards are communicated with a three-number coding system. In 1987, the clean fluid standard for responsible heavy equipment maintenance and operation was set at 18/16/13. Heavy equipment manufacturing has advanced considerably since 1987.

### ISO STANDARD: 18/16/13

In a 1 ml sample of oil:

- » 18 represents 1300 - 2500 particles between 4 and 6  $\mu$
- » 16 represents 320 - 640 particles between 6 and 16  $\mu$
- » 13 represents 40 - 80 particles over 16  $\mu$

ISO standard cleanliness does not account for the most damaging wear particles under 4 microns.



ISO 22/20/17

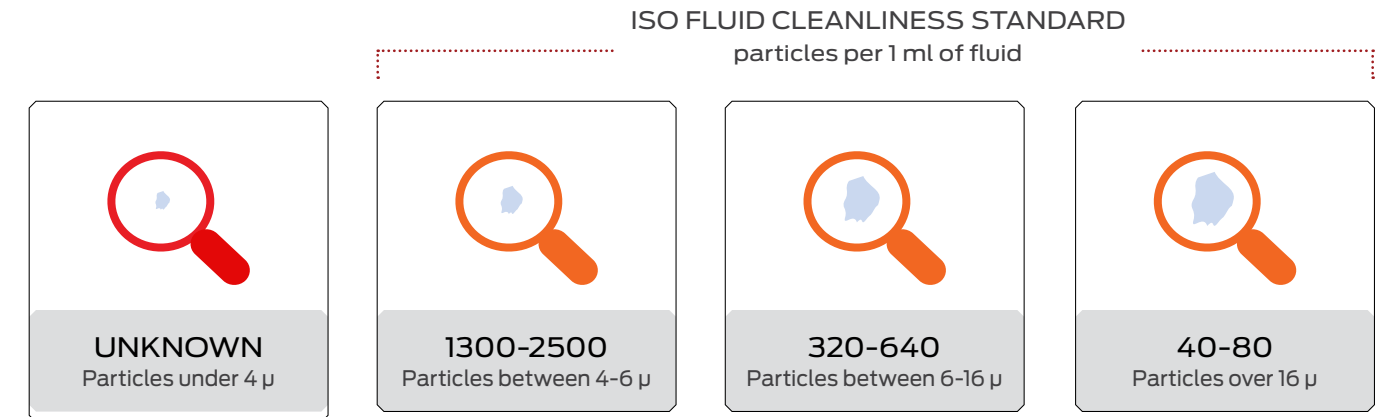
ISO 18/16/13

ISO 12/9/6

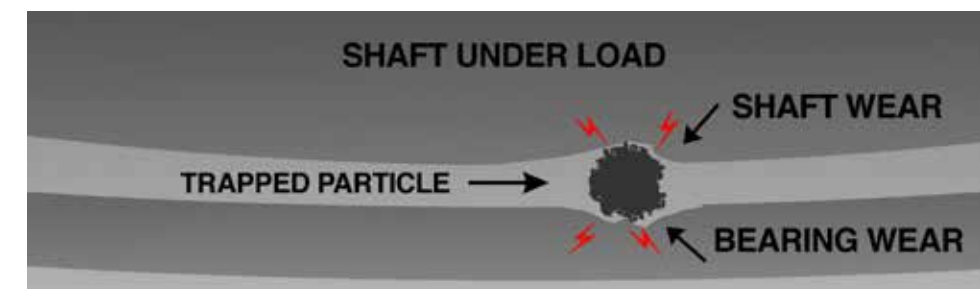
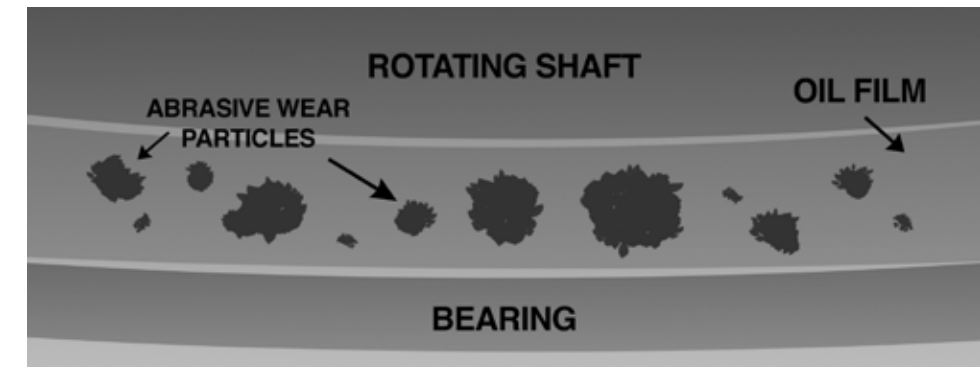
## REAL-WORLD REQUIREMENTS

### EQUIPMENT REQUIRES FLUIDS TO BE 4X CLEANER THAN ISO STANDARDS

Industry mining leaders require fluid cleanliness specifications for their heavy-duty equipment not to exceed 16/13/8.



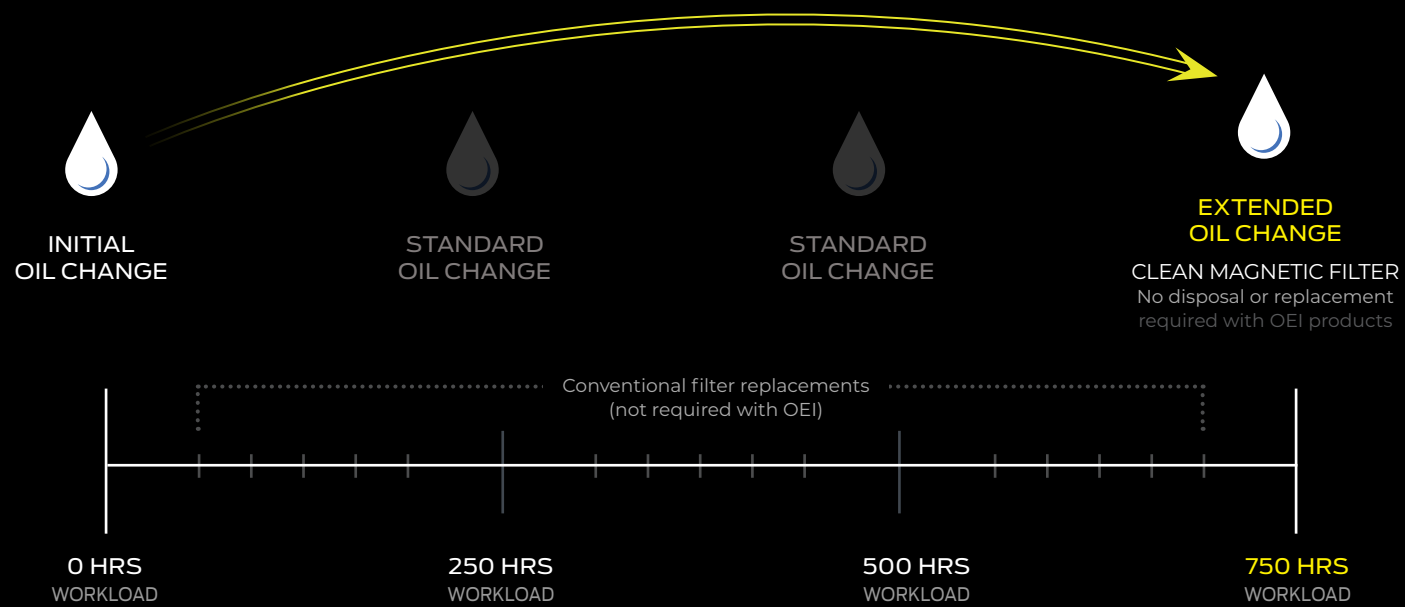
↑ THE MOST DAMAGING WEAR PARTICLES





The core technology in all One Eye Industries magnetic filtration products is a magnetic filter element designed with a patented radial magnetic field configuration to remove wear particles down to 4 microns and below. The magnetic filter element is utilized in various housings with calculated dwell times for optimal filtration.

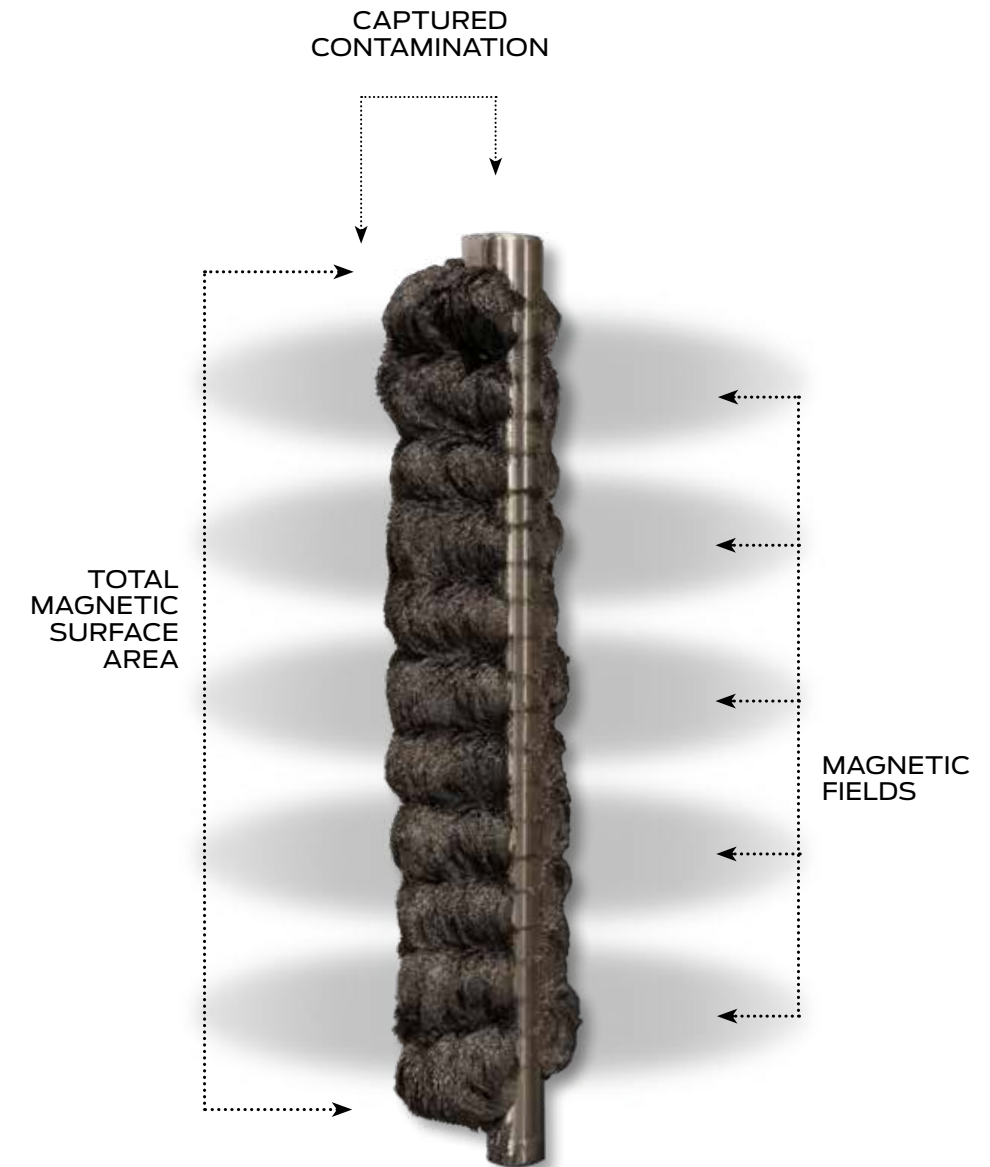
**CLEANER FLUIDS  
REDUCED CHANGE INTERVALS  
EXTENDED EQUIPMENT LIFE  
INCREASED PRODUCTION**



EXTENDED FLUID LIFE → PROTECTED EQUIPMENT → EXTENDED EQUIPMENT LIFE

\*Source: Noria Corporation

## ONE EYE INDUSTRIES CORE TECHNOLOGY





## CORE TECHNOLOGY

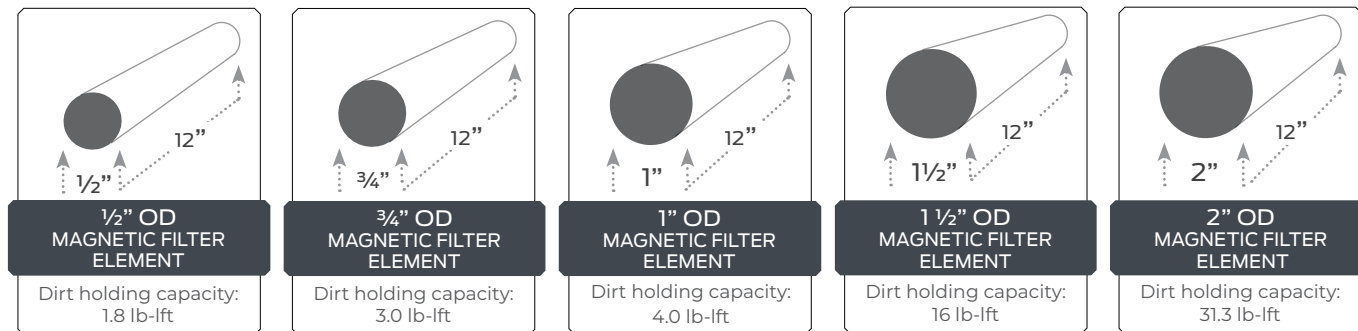
### DESCRIPTION

The patented magnetic filter element attracts ferrous wear particles down to 4 microns and below with up to 95+% efficiency. The magnetic filter element attracts both ferrous and non-ferrous particles. The radial magnetic field design offers incredible holding strength and a high dirt holding capacity.

OEI magnetic filter elements are employed in various housings designed with calculated dwell times for optimal filtration. Magnetic filter elements come in five sizes from 1/2" to 2" outer diameter (OD) (shown below).



1" magnetic filter elements with varying loads of contamination. Dirt holding capacity\*: 3.97 lb-ft.



Dirt holding capacity is the quantity of contaminant mass a filter element can trap and hold before the maximum allowable back pressure, or delta P level, is reached.

## CORE TECHNOLOGY BENEFITS

### CLEAN AND REUSE

OEI products are reusable for 18+ years, and require minimal consumables. Conventional filters require frequent, costly changeouts, and disposal.

### PREDICTIVE MAINTENANCE

OEI Magnetic Filter Elements are effective predictive maintenance tools when used for condition monitoring. When removed for inspection, magnetic filter elements will have varying quantities of contamination. Abnormally high quantities of contamination indicate component failure. The composition of contamination will identify which components are stressed, worn, or failing.

Visual analysis of the quantities of wear contamination collected on magnetic filter plugs can determine component failure. Analysis of wear particle compositions and sizes will determine early component wear.

### GOES WHERE NO CONVENTIONAL FILTER HAS GONE BEFORE

OEI magnetic filters can be installed on suction lines to protect pumps without risk of cavitation. Unlike conventional filters, they accommodate space restrictions and unique applications such as splash oil gearboxes, reservoirs, and small coolant lines.

### CAPTURES NON-FERROUS CONTAMINATION

Non-ferrous particles are magnetically captured because of cross-contamination. Particles become statically charged from flow velocity. This charge is a principal force of particle adhesion; iron particles contaminate non-ferrous particles by adhering to their statically charged surface. Another form of cross-contamination occurs when sub-micron iron particles embed in softer non-ferrous particles after abrasive impact.

### PREVENT OXIDIZATION AND VARNISH

OEI effectively removes iron and steel particles under 10 microns that are known to promote oil oxidation because of their catalytic properties. Oxidation can deplete additives that protect against wear, corrosion, sludge, varnish, and viscosity changes that affect the thickness of films between bearing surfaces, friction, control of temperature, and energy consumption.

### NO WORMHOLING OR CHANNELING

OEI filters eliminate the opportunity for wormholing and channeling that conventional paper, fiberglass, and polymer media filter elements are subject to.

Wormholing: when wear contamination punctures the filter media.

Channeling: when fluid flows through punctured holes because it takes the path of least resistance.





ONE EYE INDUSTRIES  
**MAGNETIC FILTRATION PRODUCTS**



**MAGNETIC FILTRATION PRODUCTS**

One Eye Industries offers a series of products designed to help you achieve rapid payback with the lowest risk by extending the life of rotating equipment. Whether you require the industry-leading ADD-Vantage 9000 magnetic filter, or a specialty design. OEI is your trusted partner for equipment reliability and machine operation.

 ADV9000	DIRECT SPIN-ON	IN-TANK	INLINE	REMOTE MOUNT SPIN-ON
 SCRUBBER	LOW PRESSURE	MEDIUM PRESSURE	HIGH PRESSURE	SPECIALTY: FUNNEL
 Y-STRAINER	SPECIALTY: CUSTOM	SPECIALTY: INLINE	MAGNETIC FILTER PATCH	
 FILTER PLUGS	SPIN-ON FILTER PADS		MAGNETIC PATCH	
 SPECIALTY MOBILE	SPECIALTY FACILITY		KIDNEY LOOP SYSTEMS	HPU





## ONE EYE INDUSTRIES SAFE T SPRAY FIRE PREVENTION



Developed by One Eye Industries, Safe T Spray™ is a cutting-edge invention designed to address one of the most critical challenges facing the industry today – equipment fires caused by combustible build-up and debris.



## SAFE T SPRAY TECHNOLOGY BENEFITS

### THE INNOVATION

Safe T Spray effectively eliminates the potential for equipment fires. Mobile equipment has engine components that operate at temperatures above the combustion point of wood dust and flashpoint of engine and hydraulic oils. Additionally, electrical arc from failing components can be fire ignition points. This innovative solution is strategically installed in enclosed areas such as engine compartments and behind windshield guards – those hard-to-reach spaces that have often been overlooked. Say goodbye to the days of struggling to clean these inaccessible areas. Safe T Spray can be magnetically attached to any elusive spot on your mobile equipment, ensuring thorough and efficient cleaning.

### PROACTIVE FIRE RISK REDUCTION

Say goodbye to the menace of equipment fires. Safe T Spray proactively addresses the root causes of fires by removing combustible materials before they lead to catastrophic failures. This significantly minimizes the chances of spontaneous combustion, electrical shorts, hydraulic line failure, and brake overheating.

### ENHANCED SAFETY AND INJURY PREVENTION

Traditional cleaning methods often expose operators to high-risk scenarios when attempting to clean hard-to-reach areas. Safe T Spray, combined with its window guarding system, ensures operators' safety and reduces the risk of injuries. Additionally, improved windshield visibility enhances overall operational safety.

### REDUCED DOWNTIME, INCREASED CLEANING FREQUENCY

Tackling combustible accumulation often involves time-consuming procedures like panel, fender, and seat removal. With Safe T Spray, scheduled cleaning downtime is significantly reduced, transforming hours of work into mere minutes. This not only boosts equipment uptime but also eliminates the associated labor costs.

### OPTIMIZED COOLING EFFICIENCY

Beyond fire risk elimination, Safe T Spray enhances convection efficiency by removing accumulated combustible materials. Engines, transmissions, differentials, and other components dissipate a substantial amount of heat through convection. By maintaining optimal cooling efficiency, Safe T Spray contributes to the longevity and performance of your equipment.

### REDUCED DOWNTIME, INCREASED CLEANING FREQUENCY

Cleaning-related downtime is a thing of the past. Installing Safe T Spray expedites cleaning processes, transforming hours of labor into minutes. By removing the need for panel, fender, and seat removal, this innovative system not only saves time but also slashes cleaning labor costs.



# SAFE T SPRAY APPLICATION AND USE CASES

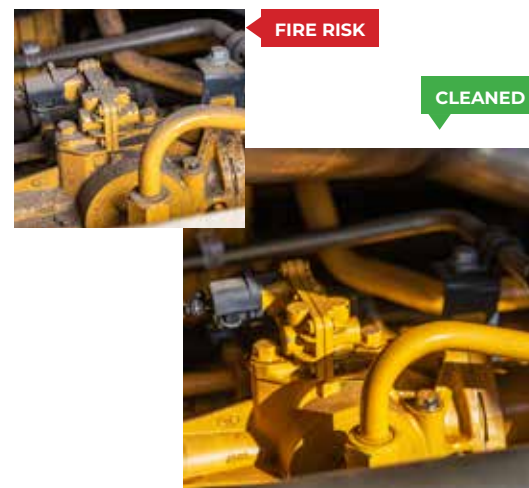
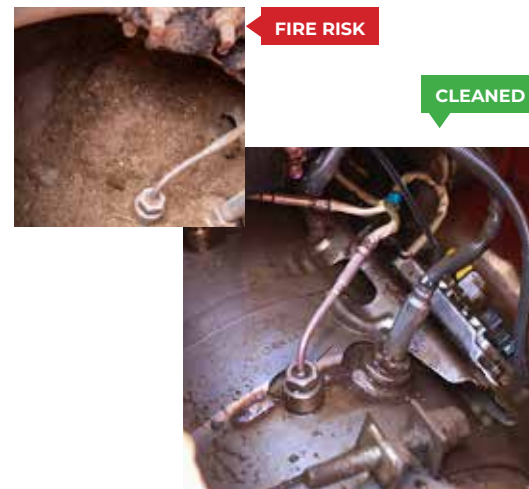


## KEY FEATURES

- ✔ Magnetically attaches to any metal surface with high strength, rare earth magnets
- ✔ Adjustable nozzles to spray any direction, or can be used with compressed air
- ✔ High pressure filter to protect nozzles from contamination
- ✔ Stainless-steel construction
- ✔ Heavy duty attachment clamps

## SPRAYER MANIFOLDS SIZES

- ✔ 36" manifold with 6 nozzles
- ✔ 24" manifold with 4 nozzles
- ✔ 12" manifold with 3 nozzles
- ✔ Custom spray patterns: 15°, 25° or 40°



## ENGINE TEMPERATURE MANAGEMENT

Engine will require cooldown period prior to operating water in system.

Initial Temperature Drop (First 10-20%): After engine shutdown, an initial rapid temperature drop is observed. This can result in a decrease of approximately 10-20% in engine temperature within the first few minutes. The exact percentage drop can vary depending on factors such as engine size, operating temperature, and ambient conditions.

## ADDITIONAL TEMPERATURE DROP

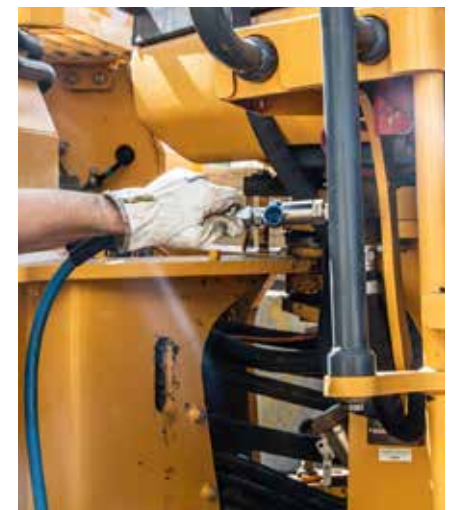
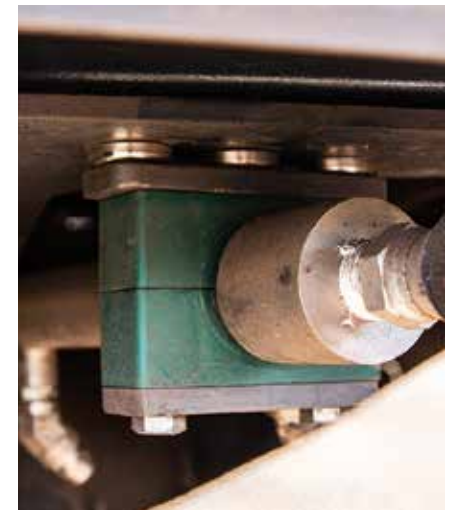
Following the initial temperature drop, the rate of cooldown gradually slows down. The engine's cooling rate becomes more gradual as time progresses. While it is challenging to provide precise figures, an estimate for the additional temperature drop can be around 1.2 degrees Celsius (1.8-3.6 degrees Fahrenheit) per minute. However, it's important to note that this rate can vary depending on factors such as engine size, cooling system design, and ambient conditions. Recommended minimum 30-minute cool down time.

## WHY CHOOSE SAFE T SPRAY?

Safe T Spray offers a proactive approach to reduce fire risk by removing combustible materials build-up. It enhances operator safety, reduces equipment downtime, and improves cooling efficiency. The system's installation, adjustment, and operation are simple, ensuring a seamless user experience. For your peace of mind, Safe T Spray comes with a generous 3-year limited warranty. With a projected service life of 10+ years, you can trust in the durability and reliability of this groundbreaking system. Upgrade your equipment safety, efficiency, and peace of mind with Safe T Spray.

For more information, technical specifications, and to explore how Safe T Spray can transform your equipment maintenance practices, please visit our website at [www.OneEyeIndustries.com/Safe-T-Spray](http://www.OneEyeIndustries.com/Safe-T-Spray) or contact our dedicated team at [info@OneEyeIndustries.com](mailto:info@OneEyeIndustries.com).

Empower your equipment with Safe T Spray – where safety, efficiency, and innovation converge.



ONE EYE INDUSTRIES  
**ATEX S50-P**  
**PARTICLE COUNTER**



**ATEX S50-P PARTICLE COUNTER BENEFITS**

Fully automated optical particle counting system with LASER-diode light source for continuous presentation of cleanliness codes.

Simple integration in industrial data managing systems Measurement principle: single particle detection using light extinction with a highly focussed laser beam.

The whole measurement cell is illuminated hence very clean liquids can be measured. Every system is calibrated and certified individually.

**BENEFITS**

- » 8 channel contamination measurement & display
- » Measures and displays the following international cleanliness formats: ISO 4406:2021, AS 4059 A-F
- » RS485, 4-20mA Data logging and 4000 test result memory
- » Automatic and remote control flexibility
- » Multicolour indicators via onboard LED with output alarm signals as standard
- » POV software





ONE EYE INDUSTRIES  
**PAMAS S50-P EXTREME  
PARTICLE COUNTER**



## PAMAS PARTICLE COUNTER BENEFITS

The PAMAS S50-P XTREME is a versatile particle counter designed for industrial and mobile applications with a focus on challenging operating conditions. Its robust construction includes a purpose-designed stainless steel cradle assembly, featuring vibration mounts for individual PCB boards and the chassis. The heart of the XTREME boasts ISO 11171:2022 calibration and ISO4406:2021 cleanliness readings, an internal pump with 10ml/min to 25ml/min flow rate, and a pressure XD195 pump with a 5-bar maximum. The shell, crafted from aluminum 6082 T6 (HE30), is hard anodized to 50 microns, ensuring durability, while the glass is annealed toughened with a working temperature of up to 400 degrees C.

### BENEFITS

- » Accurate and Reliable: ISO calibration and cleanliness readings ensure precise particle measurement.
- » Improved Efficiency: Real-time monitoring enhances system efficiency and reduces maintenance costs.
- » Durable and Resilient: Robust construction and hard-anodized shell withstand harsh vibrations and operating conditions.
- » Versatile Connectivity: RS485 and USB ports facilitate easy connection to software and devices.
- » Leak Detection: Optical leak detection sensor helps detect and address leaks promptly.
- » Moisture Absorption: Silica gel bags in the cradle ensure effective moisture absorption.





SOLVING TOMORROW'S CHALLENGES, TODAY.

OneEyeIndustries.com  
4344 12 Street SE  
Calgary, AB T2G 3H9  
Canada