




New Dynamic Biodegradable Descaler

Dynamic Descaler is a safe nontoxic, biodegradable chemical to be used on the waterside of heat transfer equipment. You do not have to heat Dynamic Descaler. It is safer for the employees to use than other acid products. Your equipment will be cleaned in only hours without disassembling any part of the equipment. Equipment can also be cleaned without any down time (cleaning on the run).

Cleans down to the original surface without pitting. Dynamic Descaler is safe on copper, copper-nickel, bronze, brass, iron and rubber. It will extend the usable life of your equipment, especially when used as a part of a regularly scheduled preventative maintenance program. Removing the scale build up allows your equipment to operate more efficiently with less down time.

Dynamic Descaler is used by Ford Motor Company, General Motors, Rubbermaid, Dow Chemical, USX, Dayton Tire, Baker Hugh, Kennametal, Allegheny Power Systems and many others in the U.S. and worldwide.

This is the head from a heat exchanger cleaned with Dynamic Descaler at the General Motors Facility in Arlington, Texas. Notice that after cleaning the metal surface shines and there is absolutely no scale remaining whatsoever.




Before **After**

For Safe Effective Cleaning Of:

- Heat Exchangers • Liquid Ring Vacuum Pumps
- Air Compressors • Condensors
- Cooling Tower • Boilers
- Furnaces • Lime Slurry Systems

CIRCLE READER SERVICE No. 57

This is a heat exchanger cleaned with Dynamic Descaler at the General Motors Facility in Arlington, Texas. Dynamic Descaler was circulated for only 30 minutes. Notice that after cleaning 100% of the white lime scale is removed.




Before **After**

DYNAMIC DESCALER

A new safe technology type acidic cleaner and degreaser. Formulated to rapidly clean mineral scale from water passages in water cooled or heated equipment. Improves efficiency, lowers cost, conserves energy and extends the usable life of cleaned equipment.

Safe on steel, iron, brass, copper, plastic, rubber and other materials found in most water cooled, heated or operated equipment. Do not use concentrated on stainless steel or aluminum heat exchange surfaces.

Used cold by circulating through water passages in water heat exchangers, coolers, pumps, boilers, compressors, condensers, extruders, molds, cooling towers, furnaces, water piping systems and other water side heat exchange surfaces.

Fortified with powerful low foaming wetting and penetrating agents, safe degreasing solvents and superior corrosion inhibitors to prevent corrosion of the steel, brass or copper surfaces being cleaned. Does not contain toxic cresols or other tar oils that require SARA title III, Section 313 spill loss or disposal reporting.

Dissolves all types of:

- Water Scale, Lime, Rust, and Lithium Carbonate • Effective
- Biodegradeable • Pleasant Odour
- Safe • Economical • Used Cold

Tech Sales Co.

The Problem Solving Company

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Ionizing Bars

Haug high-efficiency ionizing bars eliminate electrostatic charges on the surface of plastics, paper, textiles and many other non-conducting materials through a steady and efficient balance output of positive and negative ions. All ionizing bars are operator friendly and safe to touch and are equipped with coaxial shielded cables, eliminating the passibility of interference with process controls or other nearby electronic equipment. Haug's exclusive and patented X-2000 cable system permits fast and easy power supply connection to the ionizing bars. **CIRCLE READER SERVICE No. 58**



The **RN Ionizing Bar** is a standard touch-safe ionizer for web-based applications. It is available in custom lengths from 6" to 15 feet. It is also available in a daisy-chain version.

CIRCLE No. 59



The **VS Ionizing Bar** is a high-output ionizer designed to eliminate very strong surface charges. It is effective at distances up to approximately 8" from the web. It is touch-safe and can also be daisy-chained.

CIRCLE No. 60



The **PS Ionizing Bar** is a compact yet powerful ionizing bar. With dimensions of only 0.5" x 0.5", it is perfect for applications where working space is restricted.

CIRCLE No. 61



The **CI-SL** is a passive pre-ionizer that does not require a power supply. As a pre-ionizer it reduces surface charges permitting an active ionizing bar to easily eliminate the remaining charges.

CIRCLE No. 62

Measuring and Testing

Haug Instrumentation is available to perform a full range of test procedures, from periodic or localized measurement of static surface charge to continuous monitoring to ensure maximum system efficiency. **CIRCLE READER SERVICE No. 63**



Haug's hand-held **Static Control** field strength meter is used to measure electrostatic surface charge with a range from -100 kV to + 1000 KV.

CIRCLE No. 64



Statometer II measures field intensity on a continuous basis, providing a digital display over the range of +/-2000 kV.

CIRCLE No. 65



Multicheck is a hand-held testing instrument designed to check ionizer and power supply operation, to ensure that they are functioning at maximum efficiency.

CIRCLE No. 66



The **Voltmeter** mounts conveniently between any Haug ionizer and power supply, providing an easy-to-read analog reading output voltage from the power supply to the ionizer.

CIRCLE No. 67

Oil Skimmers - Wayne Mini Skimmers



Model DBS

Mini-skimmers have been in use throughout the world since 1990. Thousands are used daily to remove unwanted floating "tramp" oils. They are small, run very quietly, and use a very dependable permanent magnet motor! Standard models for industrial users include oil pickup rate to 1 gallon/hour, loose or fixed tail pulley design, and a choice of polyurethane or stainless steel belts in four standard length sizes.

CIRCLE No. 68



Model MSB

Model MSB lifts 1 quart to 4 gallons per hour. It can be supplied with Polyurethane belts for coolants or Stainless steel belts for parts-washers.

The MSB Skimmer has four standard belt lengths and special belt lengths to 100 feet.

The world's smallest oil skimmer Model MSB mounts on verical/horizontal surfaces and fits into tiny spaces. It has a dependable permanent magnet motor!

CIRCLE No. 69



Economy Oil Skimmer

Economy Oil Skimmer for Coolants answers the need for a high quality, dependable but low cost belt type skimmer!

115/1/60 high quality, quiet & dependable permanent magnet motor with stainless steel cover and a six foot three prong cordset.

A 1" wide flat polyurethane belt has great adherance for floating oils. Two standard lengths - 8" or 12" from mounting bracket base to the lowest point.

CIRCLE No. 70



Model SSP

MAXI-Skimmers™ these units utilize stainless steel or polyurethane belts 2" to 4" wide reaching from 1 to 50 ft. down and can collect from 2 to 10 gph. Totally corrosion resistant materials of construction.

CIRCLE No. 71



Model VSSP/4

Adjustable Lift Rate Belt Type Oil Skimmers

Select your lift rate with a twist of the dial. Speed up (or slow down) the job of removing floating oil to suit your application. Costs about the same as other 5 gph belt oil skimmers.

This skimmer is also corrosion-free, being made mostly of stainless steel parts and polymers. The VSSP/4 uses one 4" wide belt which can reach from 1 foot to 50 ft. down. There is a choice of stainless steel or polyurethane belts.

CIRCLE READER SERVICE No. 72

See more of our products on www.tech-sales.com

Air Assisted Ionizers

Air assisted ionizers serve two primary functions. The first is to neutralize the electrostatic charges holding dust particles to material surface and to blow or carry dust particles away. The second is the use of air as a carrier to overcome distances too great for an ionizer without air assistance. Tech Sales Co. offers a wide variety of Haug air assisted ionizers.

CIRCLE READER SERVICE No. 73



The **Ion Air Blower** is ideal for ionizing larger and hard to reach areas. It is available in three different sizes.

CIRCLE No. 74



The **RI-LG** is a very light hand-held ionizing gun used for manual blow-off applications.

CIRCLE No. 75



Air Gates are an economical yet powerful dust removal device available in custom lengths.

CIRCLE No. 76



Air assisted **Ring Ionizers** are designed for permanent installation. They neutralize electrostatic charges and blow away dust particles.

CIRCLE No. 77



The **Delta Blower** fans out air in a delta configuration and is ideal for sheet fed applications.

CIRCLE No. 78



The **Wing Jet** offers effective ionization for small areas or objects.

CIRCLE No. 79



The **Needle Ionizer** effectively removes dust particles from bottles and other small containers.

CIRCLE No. 80



The **Air Knife** provides a constant air curtain for effective dust removal.

CIRCLE No. 81

Industrial Paint Stripper JEM Strip 427

Strips All Metals - *Without corroding any profits.*

JEM STRIP 427 is a powerful, biodegradable formulation that safely strips all painted and powder coated metals including aluminum, zinc, magnesium, and titanium without corrosion. So instead of paying top dollar to send challenging jobs out, you can keep your stripping and your profits where they belong: in your own shop.

Works Fast - *So your crew can work faster.*

JEM STRIP 427 may be easy on the environment, but it's tough on paint. Just drop the job in the tank, agitate if desired, and in minutes you'll have a sparkling piece of metal. And because JEM STRIP 427 has no Phenyl odor, your crew can keep their focus where it belongs: on shipping as many parts per hour as your daily workload demands.

Lasts for Years - *Cuts disposal fees by thousands.*

With ordinary strippers, you start with a drum full of toxic chemicals and end up with a drum full of toxic (and slow-acting) gunk. Add the cost of chemical disposal fees over the course of a year, and you're looking at damage to your profits and the environment. Only JEM STRIP 427 comes with its own mineral oil seal to reduce evaporation and dragout while it protects your crew from harmful odors. The result? With proper filtration and JEM ADDITIVE 425 one tank of JEM STRIP 427 lasts for years, and reduces chemical disposal fees to 1/6 of their former cost!

JEM ADDITIVE 425 is our exclusive formulation designed to boost the active ingredients in JEM STRIP 427, so you get the most out of every tank.

JEM ADDITIVE 425 replaces dragout and restores the ideal chemical balance, so a single tank of JEM STRIP 427 can last five years or longer!

CIRCLE READER SERVICE No. 82

Carbicote® Strippable Coating



Water-based Strippable Coating that can be easily removed from many surfaces. Carbicote® is commonly used as safe peel-off protection for spray booth walls, lights, and windows. **Carbicote® Bright White Water Base** protects spray booth walls with a reflective strippable coating. **Carbicote® Crystal Clear Water Base** protects spray booth lights and windows with a transparent strippable coating. Carbicote® is the EASY solution to Spray Booth Maintenance. **EASY to use**. Apply Carbicote® by spray, brush, or roller. It dries quickly, forming a removable barrier in minutes. Cleanup with soap and water, no solvent required! **EASY to strip.** Carbicote® has excellent cohesion. When pulled, it stretches and peels off in large sheets. It retains its flexibilty, does not become brittle with age. Carbicote also has excellent adhesion. It adheres well to most surfaces including stainless steel. **EASY to store.** Carbicote® is nonflammable; store it in the painting area ready for use. No "flash fire" danger from open containers; no special paint locker needed.

CIRCLE READER SERVICE 83



The Solution to Knit/Flow Lines

CHEM-PAK's patented Flaw Repair Products will beautifully dress your molded plastic parts by uniformly flattening the surface and masking surface condition flaws.

These acrylic polymer and/or copolymer coatings are applied as a very thin coating. They mask flaws without changing the part color, UV or flammability characteristics.

Reduce part rejects, avoid regrind problems, produce beautiful uniform parts, use right at workstation, optimize productivity.

- Permanently Eliminate Knit/Flow Lines
- Get Rid of Gas Tracks
- Correct Gloss Levels
- Eradicate Rib Print Through
- Work Out Start-Up Problems and Still Deliver Perfect Parts, On Time, Every Time
- For more information contact us.

CIRCLE READER SERVICE No. 84

See more of our products on www.tech-sales.com

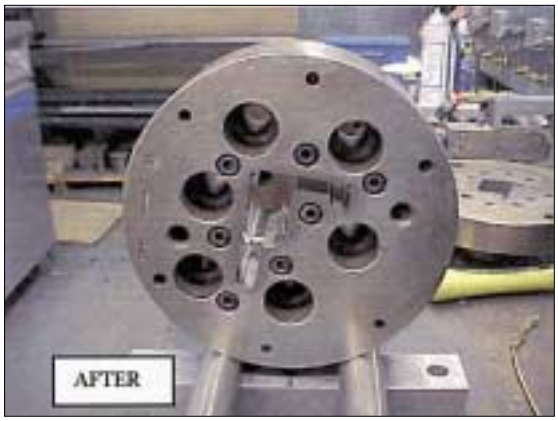
Ultrasonic Cleaning Systems



Traditional Mould Cleaning methods are time consuming, labour intensive and abrasive. By using ultrasonics for mould maintenance, the result is a cleaner mould with reduced manual input and no wear leading to large cost savings.

Ultrasonic Cleaning Can Give The Following Advantages:

- Short and simple wash process
- No manual labour
- High level of cleanliness
- No abrasion of precise edges and surfaces
- Suitable for all moulds, large and small
- User friendly process and machinery



Typical cleaning applications are automotive and jet engine parts, bearings, hydraulic and pneumatic components, printed circuit boards, electric parts, precision parts, tools, nozzles and armatures. Finnsonic ultrasonic equipment is built to be long lasting and is made completely in stainless steel where only components of the highest quality are used.

CIRCLE READER SERVICE No. 85

Air Amplifiers



Air Amplifiers have no moving parts, assuring maintenance-free operation. No electricity is required. Flow, vacuum and velocity are easy to control. Outlet flows are easily increased by opening the air gap. Supply air pressure can be regulated to decrease outlet flow. Both the vacuum and discharge ends of the Air Amplifier can be ducted, making them ideal for drawing fresh air from another location, or moving smoke and fumes away.

CIRCLE READER SERVICE No. 86

Air Knife



A quiet, energy efficient way to clean, dry or cool parts, webs or conveyors. The Air Knife utilizes the coanda effect (wall attachment of a high velocity fluid) to create air motion in its surroundings. Using a small amount of compressed air as a power source, the Air Knife pulls in large volumes of surrounding air to produce a high flow, high velocity curtain of air for blowoff. Amplification ratios (entrained air to compressed air) of 30:1 are achieved compared to 3:1 for a drilled slotted pipe. Air savings of 40% to 90% are possible when replacing these homemade blowoff devices.

CIRCLE READER SERVICE No. 87

Corona Treating Systems



Taking unique advantage of open air Corona discharge, directed to the surface requiring treatment, BottleDyne™ pretreating systems set new standards for Corona technology. It is now possible to inline Corona treatment on virtually any extrusion or injection blow molded container at line speeds of up to 7,000 parts per hour. Treatment is done delicately, quickly and efficiently, without damage to the surface being treated and without adverse effect on the molding, printing or labeling process.

CIRCLE READER SERVICE No. 88

Waste Reduction Products



nternational Baler Corp's closed door horizontal line of balers has something for everyone. They can handle anything from cardboard to P.E.T bottles, and anything in between. The 1200 Series is the true work horse of the industry. A very sturdy, series of balers with 4 main lines and a variety of chamber sizes available in each line. If space is an issue we have our CC & SD line of balers, with a "low profile" design to accommodate operations with a limited amount of space to work with. We have a new addition to our line, our LD-60-F foam balers have been performing very well in the field. IBC has one of the largest closed door horizontal line-ups in the industry.

- Meets JIC, NEMA, ANSI, WEMI, NEC, UL
- Heavy duty welded construction
- Varied material handling
- Many more baler types to fit every need

CIRCLE READER SERVICE No. 89

Process Heating For Industry, Tubular Heaters For High Volume Applications & Coiled Heat Exchangers



The flexibility and versatility of electic heat allows it to be used in an infinite number of applications. This, combined with the fact that it is clean, efficient, and easy to control, makes it one of the best heat sources available to industry today. From a 13.5 Megawatt Air Heater for one of NASA's Mach 8 wind tunnels, to Circulation heaters for a variety of fluid heat transfer systems, to Duct heaters for forced air applications, to Flanged Immersion Heaters and Control Panels, Accu-therm and Tech Sales Co., can provide the kind of trouble free thermal systems the industry expects from a quality supplier. The versatility of the metal sheathed tubular heater allows it to be used in a multiplicity of appliance applications. From coffee makers to livestock waterers the flexibility of this product is infinite. Accutherm has UL and CSA recognition for its products for both Immersion and Air Heating applications.

CIRCLE READER SERVICE No. 90

Tech Sales Co.

Product Lines

- Compressed Air Saving & Noise Reduction Products
- Corona Treatment Systems
- Roll Handling Systems & Accessories
- Non Hazardous Chemicals & Coatings
- Specialty Plastic Repair Products
- Static Elimination, Static Charging & Static Measurement Systems
- Corona Treatment Systems
- Ultrasonic Cleaning Systems
- Vortex Tube Cooling Technology
- Waste Handling
- Briquetters, Balers

See more of our products on www.tech-sales.com