Jaunary 2018

SMART SOLUTIONS For Pollution & Solids Handling

Jim Robbins and Associates, Inc. Bulk Solids Handling and Pollution Control Equipment

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Visit our web site: <u>www.RobbinsAssoc.com</u>

Jim Robbins: Middle TN (423) 756-4052 • Mike Murdock: Eastern TN (423) 756-4052 • Walker Robbins: Western TN, AR, MS (901) 726-1234 • Patrick Mulhern: AR, TN (901)440-7909

Patrick Mulhern Joins JRA to Cover Arkansas

Jim Robbins & Associates is pleased to announce the addition of Patrick Mulhern to the JRA team as Sales Manager for Arkansas. Patrick has been trained by our manufacturers and will manage sales and service in Arkansas and a portion of Memphis. Most recently Patrick was a planner/scheduler for a contractor and previously was a sales manager for a blower package distributor. He will be based out of our Memphis office. Please join us in welcoming Patrick to JRA, Inc. You can contact Patrick on his cell at 901-440-7909 or send an e-mail to <u>patrick@robbinsassoc.com</u>.



AirPro Fans Picks JRA As Reps For Tennessee, Arkansas and Mississippi





AirPro Industrial Exhauster Radial

- AirPro Fan & Blower Company, the fastest-growing US manufacturer of industrial-duty centrifugal fans, blowers & accessories, has selected JRA for representation in Tennessee, Arkansas and Mississippi. With strength in custom design and expedited repair, AirPro offers the most cost effective solutions for most applications requiring a centrifugal fan including blower replacement, repair and service for most centrifugal blowers from any fan manufacturer.
- AirPro's design capabilities include:
- Abrasive airstreamsAlloy, AR, chrome-carbide overlay
- Anoy, AR, chrome-carbide overlay construction available
- Pressures up to 140°W.G.
- Sizes up to 1,000 HP
- Temperatures up to 1700°F
- APR 673 & 560
- Corrosive gases

- Spark-resistant/explosion-proof
- construction
 - Special dairy & pharmaceutical metal finishes available
- Deliveries as quick as one week!
- AirPro can build replacement fan wheels in 3-5
- working days for anyone's fans

Cyclonaire DPV-B Conveyor

Cyclonaire Gets You Moving in the Right Direction

Offering Dense, Semi-Dense, and Dilute Phase Vacuum and Pressure Pneumatic Conveying, <u>Cyclonaire has</u> <u>selected JRA as reps in TN, AR and MS</u>. As the leading manufacturer of state-of-the-art pneumatic conveying systems, components and accessories, Cyclonaire has what it takes to get you moving in the right direction.

Systems, components and accessories, Cyclonaire has what it takes to get you moving in the right direction. Through more than 40 years of service, Cyclonaire has successfully designed and developed innovative pneumatic conveying solutions for a variety of industries and unique applications, from bulk material transfer to railcar unloading, carbon black and cement conveying or dust collection. Cyclonaire can find a solution that optimizes the efficiency of your operation and meets your exact needs. In addition to complete pneumatic systems, Cyclonaire also offers a full line of components, parts and accessories to create the exact solution for your application.



JVI Vibratory Feeders, Conveyors, Spirals and Screeners

We are pleased to announce that we now have an exclusive partnership with JVI Vibratory Equipment, an innovative designer and manufacturer of vibratory feeders, conveyors, spiral elevators and vibrating screeners used in the processing of bulk materials.

JVI is committed to partnering with their customers to engineer application specific equipment using proven design standards for cost-effective, high-quality and heavy-duty solutions. Complimentary testing available at their Houston facility.

JVI offers:

- Electromagnetic Vibratory Feeders
- Electromechanical Vibratory Feeders
 - Vibrating Screeners
- Vibratory Conveyors and Spiral Elevators



JVI Feeders

InterSystems Models PS Sampler Ideal for Pneumatic Lines, Hoppers, **Bins, Chutes and Pipelines**

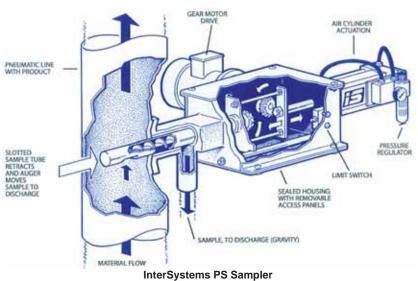
intersystems

InterSystems designs and manufactures rugged industrial sampling systems for a variety of applications. Our samplers can be used in gravity, pneumatic or liquid lines and can be installed in chutes or at the end and middle of moving belts.

Controls and accessories such as collection carousels and PLC interface-capability are available. Sample materials ranging from microscopic powders to granules and pellets. InterSystems samplers can comply with ASTM standards.

The Model PS gets accurate samples from gravity or pneumatic conveying systems (positive or negative, dense or dilute phase) and may be mounted in vertical or horizontal lines, spouts or chutes. InterSystems also offers samplers for chutes, pits, tanks, belt conveyors and almost any other application.

Whether sampling from a pneumatic conveying line, truck, silo, bin, hopper, chute, high-pressure line, belt, drag or screw conveyor, InterSystems has a model to suit your application.



Low-Cost Broken Bag Detector from Auburn Systems



Auburn's U3200 Particulate Detector



Auburn's U3200 integral is an advanced and economical particulate detector for dust collector compliance, maintenance and process applications. The U3200 integral one piece design is simple to install for monitoring leaks in all types of dust collectors.

For dry solids flow applications, the U3200 can detect flow/no flow conditions in process flow applications. Features include self-checking electronics with a numerical LED display showing the real-time signal level, and easy-to-set alarm indicator. Integral design allows for simplified installation. A single SPDT relay contact is standard and allows for controlling an alarm light or horn.

Auburn also offers a complete line of bag leak detectors, flow/no flow sensors, velocity monitors and complete dust collection monitoring systems.

Ventilex Offers Creative Solutions In Drying Technology



Ventilex Fluid Bed Dryer/Cooler



We are pleased to announce that JRA now has an exclusive partnership with Ventilex for fluid bed dryers and coolers, both static and dynamic. Ventilex engineers fluid bed drying, cooling and sterilization systems for a broad range of applications in markets ranging from food and dairy to minerals, including aggregate and proppant, or sand. Their innovative, state-of-the-art equipment and designs have made Ventilex a global leader in energy efficient, high availability drying solutions.

- Features include:
- Versatility in residence times, up to 2 hours
- Flexibility in bed depth from 2" to 24" to dry and cool or do both in a single unit
 Choice of construction material from carbon and stainless steel to titanium or hastelloy
- Dry or cool from 5°F to 1,112°F
- · Engineered systems with environmental controls always available
- · Exclusive written warranty including Fluid Bed Energy Consumption
- · Complimentary testing for qualified applications in the USA

Acrison's New Economic, Compact Model 408 Weight-Loss Feeders

Acrison is pleased to announce the availability of their Model 408 Series "Weight-Loss" Weigh Feeders. Specifically designed to provide an **economical** and **compact** means to accurately and dependably feed a wide variety of dry solids, Model 408 Feeders utilize Acrison's highly reliable, time-proven weighing and control technologies in a compact footprint. Model 408 features include:

- Feed rates range from a fraction of a pound up to thousands of pounds per hour
- Continuous metering accuracies of ± 0.25 to 1 percent or better
- Permanently calibrated and adjustment-free weighing systems
- Weighing systems guaranteed for 5 years
- A modern, state-of-the-art test facility is available to demonstrate Acrison equipment with no charge or obligation Also ask about Acrison's no-cost on-site demonstration capabilities

Acrison also offers a full line of durable, cost effective, high-quality, performance-proven volumetric feeders, bulk bag unloaders, bin dischargers, dry material continuous mixers, weigh belts and larger loss-in-weight feeders.





Acrison Model 408-105

BACT's Efficient, Versatile Scrubber With Guaranteed Performance!



BACT Multi-Element Scrubber

The Multi-Element Scrubber by BACT Engineering has been successfully proven in many installations for the removal of particulate and gaseous contaminants. Combining scrubbing elements and mist eliminators in a single shell, this scrubber provides an economical solution to air pollution control regulations.

Additional features of the BACT Multi-Element Scrubber include:

- High efficiency over a wide pressure drop range
- Versatile design choice with multiple configurations
- Low liquid to gas ratio
- · Low maintenance, easily accessible interior
- Compact modular design for low installation cost and time
- Wide choice of construction materials
- Turn down is practically infinite, either manually or automatically
- Easily upgrade performance on new or existing scrubbers

BACT offers a full range of air pollution control services, from scrubbers both wet and dry to packed towers, heat exchangers, DeNOx systems and thermal oxidizers. Performance is guaranteed in writing and complimentary start up!

Cost-Effective X-Ray Inspection Available from MPI!

Magnetic Products, Inc., also known as MPI, is now offering a line of economically priced x-ray inspection equipment. The principles of x-ray technology apply x-ray penetration properties to form the product image and analyze its characteristics to detect a range of contaminants. X-ray systems can detect a wide range of contaminants including metallic and non-metallic (glass, ceramic, stone, bone, rubber and plastic).

A major benefit of x-ray inspection is that it is not affected by temperature, humidity, salt content or any other product variables. X-ray technology can also inspect metallic and non-metallic packaging and canned goods. Pricing starts at under \$50,000 and can be combined with check-weighing equipment.

MPI offers a complete line of metal detectors as well as permanent ceramic, rare earth and electromagnets for virtually any process application, dry or liquid. Visit the JRA website for more information!

Inspection System

Prater's Lump Breakers Feature Easy Maintenance, Versatility





MPI Hi-Q X-Ray

Prater Industries Lump Breakers are functional, economical and designed to tear through most materials and reduce them down in size as small as 1/16" without generating excessive dust.

This uniquely designed lump breaker improves product flow for a variety of applications while reducing product agglomeration for an easy means of reduing compacted materials.

Easy installation and maintenance make this an ideal product for businesses of all sizes and types. It can process an extensive array of materials, including chemicals, mineral, salt, sugar, ceramic powders and more.

Design features include easily replaceable rotating and fixed blades, a heavy-duty single shaft rotor driven by a V-belt, and strategically drilled air purge seals. An optional sanitary design is also available.

Prater Industries Lump Breaker

Cost-Effective Ploughshare Blenders from Jaygo

Jaygo JTB Series Ploughshare Blenders and Dryers can be utilized for blending dry material, powdery, granular, short fibered, moist solids and liquids together with pasty substances up to and including highly viscous masses.

The JTB Blender can be used for numerous processes, including compounding, fine mixing, dispersing, suspending, emulsifying, deaerating, tempering, accelerating chemical or physical reaction, granulating and breaking down agglomerates,

The JT Blender can handle nearly all types of materials and is particularly suited for such difficult processes as mixing trace elements in proportions of 1 in 100,000 to 1 in 1,000,000 parts.

Standard sizes of the JTB Blender range from 1/8 cu. ft. to 150 cu. ft., with larger sizes available upon request.

Jaygo also offers a complete line of mixing, blending and reacting technologies for most any application. Demonstration and rental units available for on-site testing and pilot runs.



Cost-Effective Flameless Explosion Vents from Industrial Explosion Protection Technologies



HOERBIGER Explosion Relief Valve

The Industrial Explosion Protection HOERBIGER explosion relief valve is the only approved, multievent and flameless explosion relief device of its type in the world. In the event of a dust ignition the IEP HOERBIGER explosion relief valve opens quickly. This reduces explosion overpressure inside the equipment to a safe level without any flame transmission to the surrounding area.

After the explosion pressure subsides, the valve reseals immediately, thus preventing the inrush of air, which reduces the risk of subsequent explosions and fire, and the valve does not require repair or refurbishment. Suitable for multiple explosion events, HOERBIGER explosion relief valves are virtually maintenance free and offer reliable explosion protection for the life of the equipment.

IEP Technologies also offers NFPA and ATEX tested and certified chemical explosion suppression systems, chemical and mechanical explosion isolation equipment, as well as a complete line of explosion vents.

Vortex Loading Solutions For Dust-Free Truck, Ship or Rail Filling

Vortex Loading Solutions offers spouts, filters, positioners and more, all engineered to handle dry bulk solids like powders, pellets and granules. Ideal for loading rail cars, trucks, tankers, barges and ships.



Vortex's CNC Machined Lifting Pulley

Vortex's loading spout can be used in open or closed loading. Engineering out the traditional weak spots, it features an industry first fourcable lifting design, with CNC machined lifting pulleys. This unique design reduces cable wear and extends the service life of the loading spout, guaranteed for 10 years.

Vortex Loading Solutions allow facilities to meet EPA standards while preventing waste. Material is distributed evenly and Vortex's loadout products are engineered to be dust tight in dry bulk applications.



Vortex Loading Spout, Loading Solutions For Dust Free Loadout

Do You Repair or Replace the Same Valve More Than Once Yearly?





Everlasting Bulk Material Valve

It may be time to consider Everlasting Valves Rotating Disk Valves.

Invented by Everlasting Valve more than a century ago, their self-lapping, Rotating Disc Valve remains the toughest, longest lasting, best performing valve on the market today.

Everlasting Valves get better by wearing in and improve with use. As the valve opens and closes, the disc rotates incrementally, uniformly polishing away scratches and creating an ever-tightening seal.

- Features include:
- \bullet Sizes from 2° to 18° and larger
- Pressure to 10,000 psig
- Temperatures to 1500°F
- · For dry solids and abrasive slurries
- · Cast, Carbon, Stainless and Alloy construction available
- · Lever, handwheel, air cylinder, linear, hydraulic, electric actuators
- Shift-on-the-fly diverter and proportioning valves, too!



C.P.E. Filters' Dust Collector

C.P.E. Filters, Inc.: The Dust Collector Manufacturer Your OEM's All Know



With over 42 years of experience, C.P.E. Filters, Inc. offers a broad assortment of dust collectors, bin-vents, baghouses, cyclones and cartridge filters from 2 to 200,000 CFM. Available from 17" Hg to more than 15 psig and higher pressure vessel design collectors, C.P.E. Filters offers standard and custom designs for a full range of industrial applications.

C.P.E. Filters determine proper air-to-cloth ratios, the right filter media and can velocities required to efficiently collect and retrieve dust. C.P.E. Filters takes an innovative approach to provide high-quality, maintenance-friendly, stout solutions.

- Advantages of C.P.E. Filters include:
- Guaranteed minimum performance of at least 99.9%++
- Local start-up service at no charge
- Minimum freight housing shipments for faster, less costly installation
- Heavy-duty industrial steel welded construction, no internal moving parts to maintain or replace
- Complimentary analysis



Taylor IBC 3000 Packer Designed For Flexibility, Variety Of Materials

Taylor Products, exclusively represented by JRA, offers complete bulk automation with simplicity and flexibility. Taylor's systems are designed to handle a variety of materials and weights, from free-flowing granules to fragile powders.

Taylor's IBC 3000 Packers are engineered for many kinds of materials and containers. The IBC's modular design allows complete flexibility, from a freestanding manual operation to a fully-integrated and automated packaging process system.

Constructed of heavy tubular steel in a compact footprint, the IBC 3000 can be easily modified with any of its multiple options in order to handle specific requirements.

- 100 lbs. to 5,000 lbs. capacity
- · Handles granules, powders and pellets
- Fills drums, bags, boxes, metal containers
- · Compact modular design

• Other popular options include stainless steel construction, bag liner inflator, automatic bag strap and neck seal release, drum hood, box hood, lift platform, scale, pallet dispenser, conveyor system, electronic controls and more.

Get Accurate Level Measurements with UWT's NivoRadar Sensors





UWT's NivoRadar sensors are used for continuous level measurement in bulk storage silos. This compact sensor measures distances up to more than 300 feet, and due to its high sensitivity it is suitable for measurement of almost all bulk materials. The high-frequency radar uses two-wire technology and is commissioned via a local programmer with display and an easy to operate Quick Start Wizard.

The ability to withstand high process temperatures and dusty atmospheres means this free radiating sensor provides accurate and reliable measurement results. This gives the NivoRadar the ability to handle the widest range of applications for most bulk solids.

UWT's complete line of dry bulk level detector technology includes rotary, capacitance, radio frequency, vibratory fork, vibratory rod as well as plumb bob.

UWT NivoRadar Sensor, Front

Vac-U-Max: The Smartest Distance Between Two Points



Vac-U-Max Receivers

Vac-U-Max is the premier manufacturer of custom pneumatic conveying systems and support equipment for conveying, vacuum conveying, batching and weighing materials. With a Vac-U-Max pneumatic conveying system on-site, your company's products can move gently and quickly from point to point, with nothing to impede the efficiency of its movement.

Vac-U-Max Basic Vacuum Conveying Systems consist of a single pick-up point, a single vacuum receiver and vacuum producers and a control panel. Available in USDA sanitary design, they are suitable for food, pharmaceutical and chemical industries. Distances conveyed vary from 10' "up and in" to more than 200'. Applications include loading mixers, packaging machines, tablet presses, volumetric or gravimetric feeders or any other application where bulk dry powders are conveyed to the process. These save injury costs by eliminating the need for heavy lifting, scooping and climbing.

Vac-U-Max also offers a complete line of aero-mechanical and flexible screw conveyors, bin activators, bag dump stations and bulk bag fillers and unloaders.

Silica Safety Doesn't Have to Be a Burden with Hi-Vac



In late March 2016, the Occupational Safety and Health Administration (OSHA) released Standard 29 CFR 1910.1053 for silica removal. The stipulations set by the new standard are extremely aggressive and are the result of years of research and discussion. The short time frame in which companies must comply, together with the fact that acceptable levels of silica now need to be cut in half in all facilities, has translated into a rigorous debate. Many companies in the impacted industries feel that the new standard is too aggressive and will present too much of a financial burden.

Hi-Vac industrial vacuum systems clean up aggregates, powders, liquids, slurries -- any material that will flow through a hose. With a long reach -- up to 2,000' -- and powerful suction up to 18" of mercury, a Hi-Vac industrial vacuum system cleans out deep pits, dust collectors, catwalks, holds, conveyors, ducts, elevators and other hard-to-reach areas.

Most Hi-Vacs pay for themselves in less than six months. With a Hi-Vac, cleanup jobs can be completed in hours instead of days.



Hi-Vac Easily Transportable Model 310/320 Allows Vacuuming of Dry or Liquids



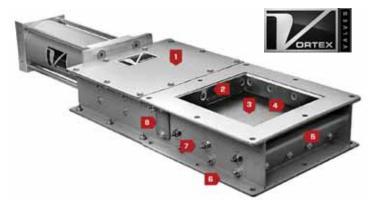
Let Robbins Solid Solutions Find the Right Supplier for Your Storage Needs

Rely on the **Robbins Solid Solutions** (RSS) team to provide the most effective solutions for your tank, silo and storage needs!

For more then 35+ years, Jim Robbins and our sales teams have developed professional relationships with many of the premier suppliers of top storage tanks and silos in the industry. Allow RSS to offer the most reliable and cost effective tank solutions for your storage needs. RSS offers welded or bolted designs in carbon, stainless or specialty alloy construction with welded designs reaching 15' diameter and in excess of 80' in height. The bolted hopper bottom designs can reach more than 48' diameter as well.

RSS Provides Storage Solutions

Vortex Titan Slide Gates and Diverters for Heavy-Duty Applications



Vortex Titan Gate Valve Features:

- (1) Optional bonnet purge
- (2) Abrasion resistant liner
- (3) Abrasion resistant blade(4) Polymer side seals
- (6) Carbon steel frame(7) Externally greased rollers

(5) Displacement end pocket

(8) Replaceable bonnet seals

The Vortex Titan Gate is designed to meet the most demanding applications when handling heavy-duty abrasive materials such as sand, gravel, coal and other whole grain type materials. The gate handles DRY material in a gravity flow application where positive material shut-off and dust-tight sealing are required.

The Titan Gates feature:

- Adjustable rollers to keep blade dust-tight
- Actuation Options for pneumatic, electric, hydraulic or manual configurations
- Available sizes ranging from 6" to 36" and custom sizing (up to 10' in some applications)
- Temperatures up to 450°F!
- Abrasion resistance liners and blade to reduce wear and extend life of valve
- Bonnet purge is utilized to separate material from the body and in the material stream
- Displacement pocket helps prevent material packing
- Replaceable seals assist in preventing material leakage
- Salina Vortex also offers a complete line of valves for dry solids as well as dust-free loading spouts and equipment.

Prater Rotary Airlock Valves Only NFPA 69-Certified Made In U.S.A.



Prater Industries is pleased to announce that they have successfully completed third-party testing of their 6" through 16" rotary airlock valves. Prater is currently the only U.S. manufacturer of NFPA 69 certified rotary airlock valves.

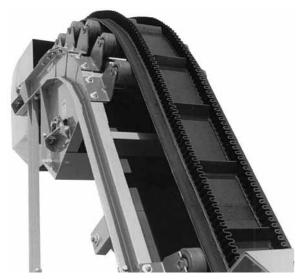
- NFPA 69 rotary airlock compliance requirements include:
- · Sufficient strength to withstand Pred-maximum anticipated explosion pressure
- Design basis to specific explosion characteristics of the power being handled
- Valve pressure resistance shall be certified or tested by a knowledgeable test authority
- At least 6 vane rotors, diametrically opposed. Prater's standard design is 8 to 10 blades, with at
- least two vanes on each side of the valve housing in a position of minimum clearance at all times • Valve shall have metal body and vanes
- Externally mounted bearings
- Less than 0.0079" clearance between the valve body and rotor vane tips

Prater also offers a full line of lump breakers, hammermills, fine grinders, classifier mills, air classifiers and centrifugal sifters.



Prater PAV Airlock Valve

At Rapat Corporation, Our Only Business is Moving Bulk Products





Rapat offers a full line of material handling equipment, including: **structural steel trussed, structural steel channel, and enclosed frame belt conveyors, bucket elevators, corrugated sidewall belt conveyors, chain conveyors, and distributors.** These individual pieces of equipment can be customized and integrated into a material handling system with all the necessary structural steel support bents, towers, service platforms, stairs, ladders, and interconnecting chute work required for your specific application.

Customized or one-of-a-kind equipment are often required for specialized bulk material handling applications. No two individual installations or uses for a product are exactly the same. Rapat Corporation will design and build the exact equipment needed to get the job done right!

Rapat's FLX Conveyor



JIM ROBBINS AND ASSOCIATES. INC. P.O. BOX 4779 CHATTANOOGA, TN 37405

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ACRISON

- **Gravimetric Feeders**
- Volumetric Feeders
- **Batching Systems**
- Continuous Blending
- AIRPRO FAN & BLOWER CO. Centrifugal Fans
- Blowers
- Exhausters

AUBURN SYSTEMS

- Broken Bag Detectors
- Particulate Emissions Monitors
- **Triboflow Flow Monitors**

BACT PROCESS SYSTEMS, INC. IEP TECHNOLOGIES

- Scrubbers
- Air to Air Heat Exchangers
- Air Pollution Control Systems
- C.P.E. FILTERS, INC.
- Baghouses
- Dust Collectors
- **Bin Vents**
- Filter Receivers
- Cartridge Collectors

JRA Can Help You Find Smart Solutions With Quality Products And Systems Listed Below

CYCLONAIRE

- Pneumatic Conveying Systems
- Rail Car Unloading Systems
- **Bulk Bag Unloaders** .

Pneumatic Conveying Components

- **EVERLASTING VALVE CO., INC.**
- Rotating Disc Valves Abrasion Resistant Valves
- **Diverter Valves** .
- **HI-VAC CORPORATION**
- Portable Vacuum Systems
- Central Vacuum Systems
- Vacuum Trucks
- Explosion Suppression
- · Explosion Isolation
- Explosion Venting
- **INTERSYSTEMS**
- · Automatic Samplers
- **JAYGO INCORPORATED**
- Ribbon, Vee and Cone Blenders •
- **Conical Screw Blenders**
- **Turbulent Blenders**

- JVI
- Vibratory Feeders & Screeners
- Vibratory Conveyors

· Vibratory Spiral Elevators

MAGNETIC PRODUCTS INC.

- Tramp Metal Removal Magnets
- · Rare Earth and Ceramic Magnets
- X-ray Inspection
- · Metal Detectors and X-Ray **PRATER STERLING**
- Airlocks
- Hammermills/Fine Grinders
- Sifters
- **Classifier Mills/Air Classifiers**

Lump Breakers

- RAPAT
- Belt Conveyors
- Drag Conveyors
- Bucket Elevators

- **SALINA VORTEX**
- Valves for Dry Solids
- Gate Valves
- **Diverter Valves** .
- **Butterfly Valves**
- Loading Spouts .

TAYLOR PRODUCTS

- Valve Bag Filling Systems Open Mouth Bag Filling Systems
- Bulk Bag IBC Systems
- Robotic Palletizing Systems
- Packaging Automation Systems **UWT LEVEL CONTROLS**
- Rotary Level Switches
- Vibratory Level Switches
- Plumb Bob Level Indicators
- VAC-U-MA)
- Vacuum Pneumatic Conveying •
- Aeromechanical Conveyors
- Flexible Screw Conveyors
- Bulk Bag Unloaders and Fillers VENTILEX
- Fluid Bed Dryers
- Fluid Bed Coolers

Jim Robbins & Associates Area Representatives To Serve You

East Tennessee: Mike Murdock, 423-756-4052, 423-326-9602 cell, mike@robbinsassoc.com Middle Tennessee: Jim Robbins, 423-756-4052, 423-322-4000 cell, jim@robbinsassoc.com

West Tennessee, North Mississippi: Walker Robbins, 901-726-1234, 901-568-4000 cell, walker@robbinsassoc.com

Arkansas: Patrick Mulhern, 901-726-1234, 901-440-7909 cell, patrick@robbinsassoc.com

Please Help Us Improve **Our Mailing List!**

- Has your address changed?
- · Should our newsletter be directed to others in your company? Who? Please mail, fax or e-mail to us any changes, corrections or additions to your address. Thank you!

Jim Robbins & Associates, Inc., incorporated in 1980, has established itself with a solid reputation as problem solvers for air pollution control and bulk solids handling, with equipment and systems that are built to last.

JRA is committed to bringing the best possible reliable and cost effective solutions and service to our customers. We offer a full line of Bulk Solids Handling and Processing and Air Pollution Control Equipment. With a full line of exclusively represented manufacturers, we offer equipment and systems to make the best products, most efficiently, with the lowest possible operating cost and downtime. We offer training and testing facilities, service personnel, as well as installation and turnkey project capabilities. Note that not all companies may be represented in all territories.