



The Standard of Excellence



Since 1912

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A Century of Solutions.

As we mark our 100th anniversary as a leading manufacturer of high-quality feeding, scalping and screening equipment, Deister Machine Company remains a family-owned business with a history of innovation that began prior to World War I. We continue to build upon our century of service via solid engineering and customized screening solutions that allow today's producers to efficiently meet the most stringent specifications.

Our long-term customer relationships, which we have developed over years of support, consultation and service, have resulted in ongoing improvements in the design, engineering and customization of Deister feeding and screening equipment – a mission never more important in an era when material specifications are tightening and operations are searching for the most exacting and efficient processing solutions.

As we celebrate a century of solutions, we base our success upon innovation, customer commitment and a dedication to our industry, our employees and our community.





At the heart of an Ohio-based fraction plant is a galvanized Deister 4-deck, 6' x 20' screen, the workhorse of a wash plant utilizing 2,000 gallons of water per minute. The operation says that Deister is willing to deliver a galvanized screen - a new trend due to the high cost of field maintenance and re-painting. The unit also features rubber wear protection on the screen framework and component parts.

Deister engineers aid in the design of screening circuits for an 8-cubic-yard clam shell dredge where a dredge bucket deposits material onto a double-deck 6' x 16' Deister horizontal screen and the throughput is pumped into a hydrocyclone, which delivers material onto a 4' x 8' Deister dewatering screen.



A New York-based operation works with Deister to customize units to fit specific needs – such as adding more space between decks for easier screen cloth changeouts; lowering a top deck on a scalping screen to better accommodate oversize material; and adding the Deister System Saver to the screen's lubrication system to extend oil change intervals and filter the used oil for greater efficiency.

For a Virginia-based operation, Deister delivered one well-engineered triple-deck screen, combined with the proper layout and specification of modular synthetic media panels on the bottom deck – allowing the quarry to replace five units with one superior setup.

A greenfield site needs big-volume production and the ability to handle 8,000 gallons of water per minute over the primary screens. Each of the three screens at the new plant are Deister BHM inclined washing/rinsing screens, which are engineered to ensure day-to-day reliability through heavy-duty construction, and features such as dual vibrating mechanisms and baked epoxy-coated springs.

Deister Executive



IRWIN F. DEISTER, JR., CHAIRMAN AND CO-CEO

61 Years of Service as of June 6, 2012

Irwin Deister is the Chairman of Deister Machine. He and his cousin Mark, a fellow shareholder in the company, are grandsons of Emil Deister, the founder of the company. Irwin began his employment at Deister Machine in 1945 as an apprentice draftsman in the engineering department. After enrolling in the engineering school at the University of Michigan in 1947, he graduated from the Liberal Arts College with an A.B. Degree in 1951. His graduate education was interrupted when he was drafted into the U.S. Army Finance School at Fort Benjamin Harrison in Indianapolis, and was retained there as an instructor until July of 1954, at which time he returned to full-time employment at Deister, operating in the cost accounting department.

Irwin married Jane McKay in August, 1956, and the couple had two daughters, Ellen and Melinda, who subsequently married with each couple becoming the parents of a boy and a girl.

While still working in the cost accounting department, Irwin became active in the sales department and eventually was promoted to Sales Manager. In the late 1970s, he became Vice President of Sales & Marketing, and in 1988, upon the death of his father, assumed the position of Chairman of the Board, acting as Co-CEO with President Mark Deister.

Irwin remains an avid University of Michigan Wolverine and sports enthusiast. Having played baseball on an Army Finance Team and as a Little League Coach, he made a major contribution to the new U of M baseball-softball complex, and continues to actively support the U of M athletic scholarship fund, football stadium renovation fund, and research at the U of M Cancer Center, Ophthalmology Center, and Heart Center.

Irwin has been involved in dozens of local and national organizations including 20 years as Trustee of Fort Wayne Lutheran Hospital; President of the Anthony Wayne Rotary Club; President of the U of M Club of Fort Wayne; Chairman of the Manufacturers Division of the NSA and member of the NSSGA Board since its foundation; Chairman of the Trinity English Lutheran Church Foundation; and others. He and Mark Deister were inducted into the Fort Wayne Area Business Hall of Fame in 2008.



E. MARK DEISTER, PRESIDENT AND CO-CEO

50 Years of Service as of September 5, 2012

Mark Deister is President and Treasurer of Deister Machine. He graduated with honors from the University of Michigan with a Bachelor of Science in Mechanical Engineering; earned a Masters in Business Administration from the University of Chicago; and pursued Masters Studies in Theology at Wheaton College. Mark also served eight years in the Army and Army Reserves.

Mark sold military and industrial computers in the Midwest and in California before joining Deister Machine fulltime in 1963, first heading the Service Department, then the Engineering Department, and becoming Vice President of Operations in the late 1970s. Upon his father's death in 1984, Mark became co-owner, assuming the roles of President and Treasurer in 1988.

Mark married Cindy Welch in 1982. He has a son, Richard (Vice President), and daughters Deborah, Jessica, Sonya, and Kara.

Active in numerous civic, social and mission-oriented organizations, Mark served on the Taylor University Chancellor's Council; presently serves on the Life Bridge Church mission board; and is the current President of the Associated Churches of Fort Wayne and Allen County, a faith-based ministry of 134 churches united through acts of compassion, education and service to the region.

Mark was Chairman of the Manufacturers Division of the National Aggregates Association (NAA) for three years, and has served for more than 25 years as a member of the Research Operations and Engineering (ROE) Committee. He has served on the National Stone, Sand and Gravel Association (NSSGA) Board since its foundation.

Mark is a member and former President of the Fort Wayne Business Forum; and he and Irwin were inducted into the Fort Wayne Area Business Hall of Fame in 2008. Mark received the Barry K. Wendt Memorial Commitment Award in 2003, recognizing his 30-year dedication to the construction aggregates industry, and to his family and community. Mark helped build, and for 20 years has supported, the Christ Faith Home for Children, a ministry serving orphaned children, abused women, lepers, and an elementary school in Chennai, India. They founded a 501(c)(3) charity, In Christ's Hands, to promote further mission work.

Management Team



RICHARD DEISTER
*Vice President of
Customer Relations,
Parts and Service*
25 Years
**Fourth generation
(Mark's son) of the Deister
family in the business.**



GREG WOOD
*Vice President
of Manufacturing
and Production*
41 Years



JOE SCHLABACH
*Vice President of
Marketing and Sales*
33 Years

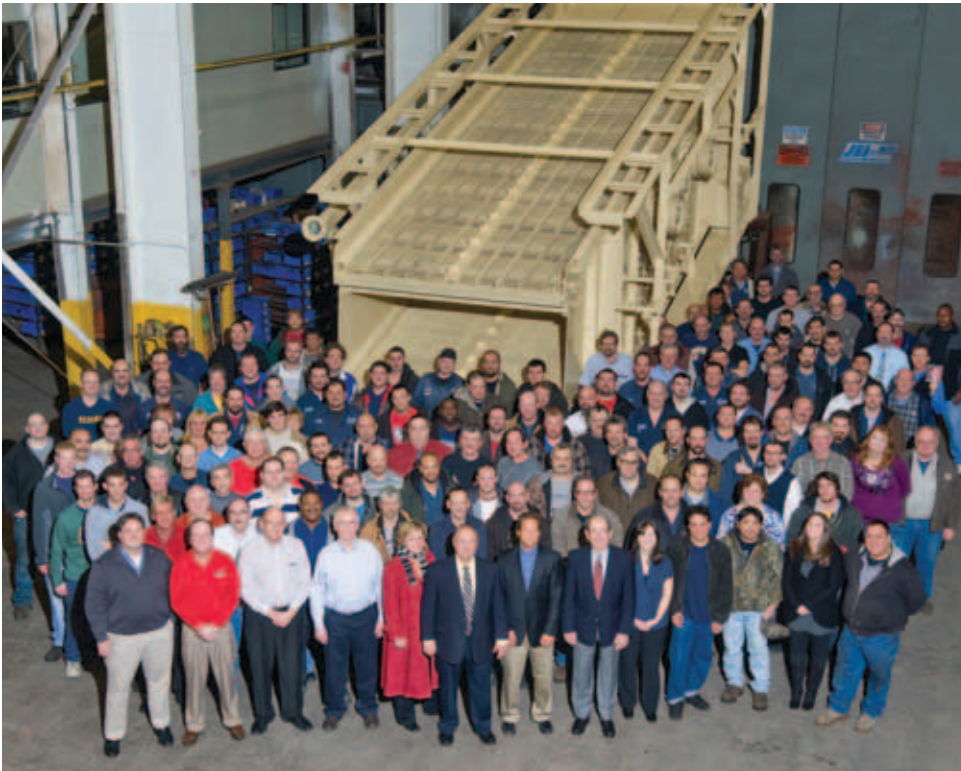


DALE LOSHE
*Vice President
of Engineering*
33 Years

Deister Machine Company provides the highest quality equipment, service and parts support to the industries we serve. That quality begins with top level management and proceeds on to include every one of our dedicated employees. The Deister Executive Management Team is committed to strong research and development, solid engineering, and to continuous improvements to processes which ensure that every piece of Deister equipment exceeds the expectations of our customers.



Our Dedicated Staff



On our 100th anniversary, we salute our dedicated employees, past and present, and their hundreds of years of combined experience. It is their loyalty, dedication and commitment to building quality equipment and providing superior customer service that has made Deister Machine Company an industry leader.

The Deister Team

Countless Years of Combined Experience

SALES



Todd Brayton

Sales Representative
4 Years

Joe Schlabach

Vice President,
Marketing & Sales
33 Years

Gabe Feuerhelm

Sales Engineer
1 Year

Clay Lemmon

Senior Sales
Representative
19 Years



Brian Moore

Sales Expediter
28 Years

PARTS & SERVICE



Rich Greener
Parts & Service
Assistant
10 Years

Scott Murphy
Service Manager
26 Years

Mike Hannie
Parts Manager
33 Years

Connie Bealer
Coordinator
16 Years

HUMAN RESOURCES



Larry Owen
Director of
Human Resources
33 Years

ADMINISTRATION



Laura Burger
Executive Assistant
to the President
15 Years

Pat Wobler
Payroll
Administrator
26 Years

Tina Suozzi
Human Resources
Administrator
10 Years

Sue Parks
Executive
Administrative
Assistant
38 Years

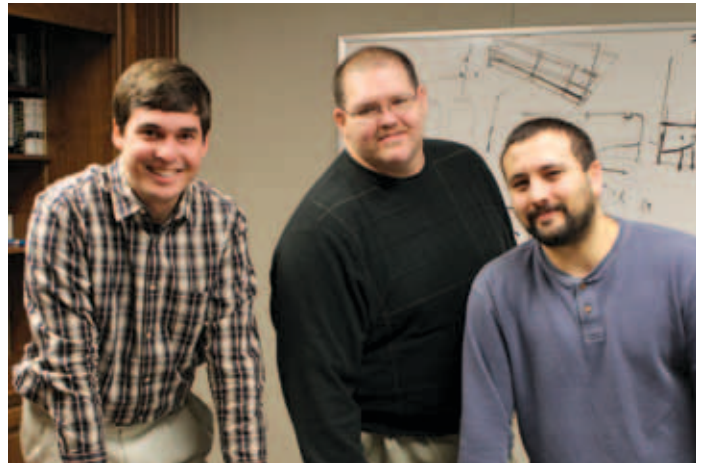
ENGINEERING



Steve Perrine
Senior Designer
31 Years

Jason Mayes
Senior Designer
13 Years

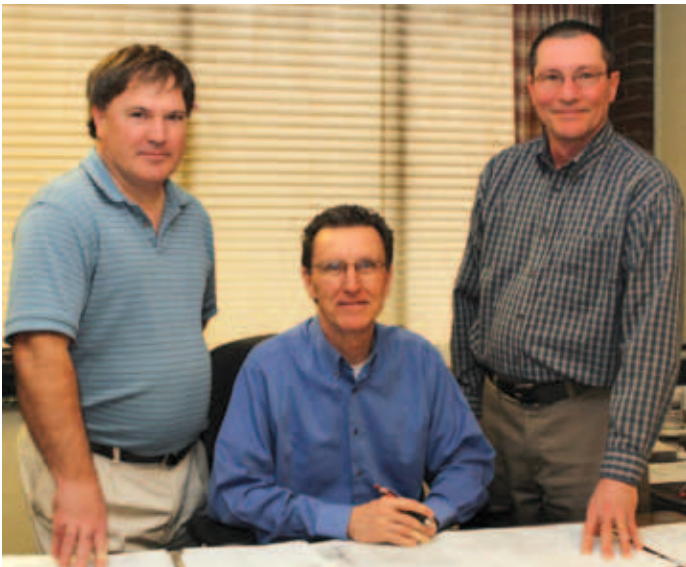
Jeff Finton
Senior Designer
34 Years



Wes Stinson
Engineer
3 Years

Ryan Holley
Engineer
5 Years

Matt Clark
Senior Designer
9 Years



Ernie Hoy
Senior Designer
37 Years

Rick Coats
Project Design
Manager
13 Years

Mike Theurer
Senior Overall
Designer
28 Years



Joel Miller
Engineer
15 Years

PURCHASING



Molly Fecher
Designer
6 Years

Jason Colglazier
Designer
1 Year

Rudy Holguin
Designer
9 Years



Tony Owen
Buyer
4 Years

Mike Gaff
Director of
Purchasing
6 Years

Roger Parrett
Purchasing Agent
33 Years

OPERATIONS



Tim Hough
Manager of Quality
36 Years



David Jefferies
Manager of
Inventory Control
17 Years



Timothy Vaughn
Superintendent
26 Years



Kenneth Kleber
Superintendent
33 Years

ACCOUNTING



Erin Gerber
Manager of
Accounting
11 Years

Suzie Panyard
Accounting
Clerk
13 Years

Alma Smajlovic
Accounting
Clerk
5 Years

INFORMATION SYSTEMS



Dave Edsall
Assistant Manager
of Information Systems
24 Years

Greg McCrory
Director of
Information Systems
10 Years

SAFETY




Scott Campbell
Manager of Environmental
Health & Safety
1 Year

MANUFACTURING INFORMATION SERVICES



Dennis Volkert
Manager of Manufacturing
Information Services
22 Years

Our Headquarters & Manufacturing Operations



Deister Machine Company headquarters and its main manufacturing operation is located at 1933 East Wayne Street in Fort Wayne, Indiana. The original building, a 5,500 square-foot plant, where operations began in 1912, is still in active use amidst a total operation that today spans more than 360,000 square feet and four plant locations.





Component fabrication facility at the Pontiac Street Complex.



Final assembly bays and paint booths at the East Wayne Street plant.



Pontiac Street fabrication and warehouse.

CNC Machining & High-Definition Cutting Operations

CNC Machining is the gold standard for component fabrication. Short for Computer Numerical Control, CNC is a modern machining method used to perform a wide range of precision machining tasks. Our CNC Machining Center, High Definition Cutting Operations, and Horizontal Beam Drill are designed to deliver accuracy and maintain the closest tolerances, while reducing waste and significantly increasing efficiency. This in turn leads to on-time deliveries, lower costs, and the ability to customize components to meet the ever-changing requirements and specifications of our customers.



Operations consist of a Vertical CNC Machining Center and (three) CNC Lathes which precisely machine housings, caps, flingers and other mechanism components. CNC machines are the most efficient means of creating a component as they speed production and eliminate multiple manufacturing processes, while allowing optimum raw material usage. Importantly, CNC Machines feature internal quality assurance detectors to detect and prevent errors.

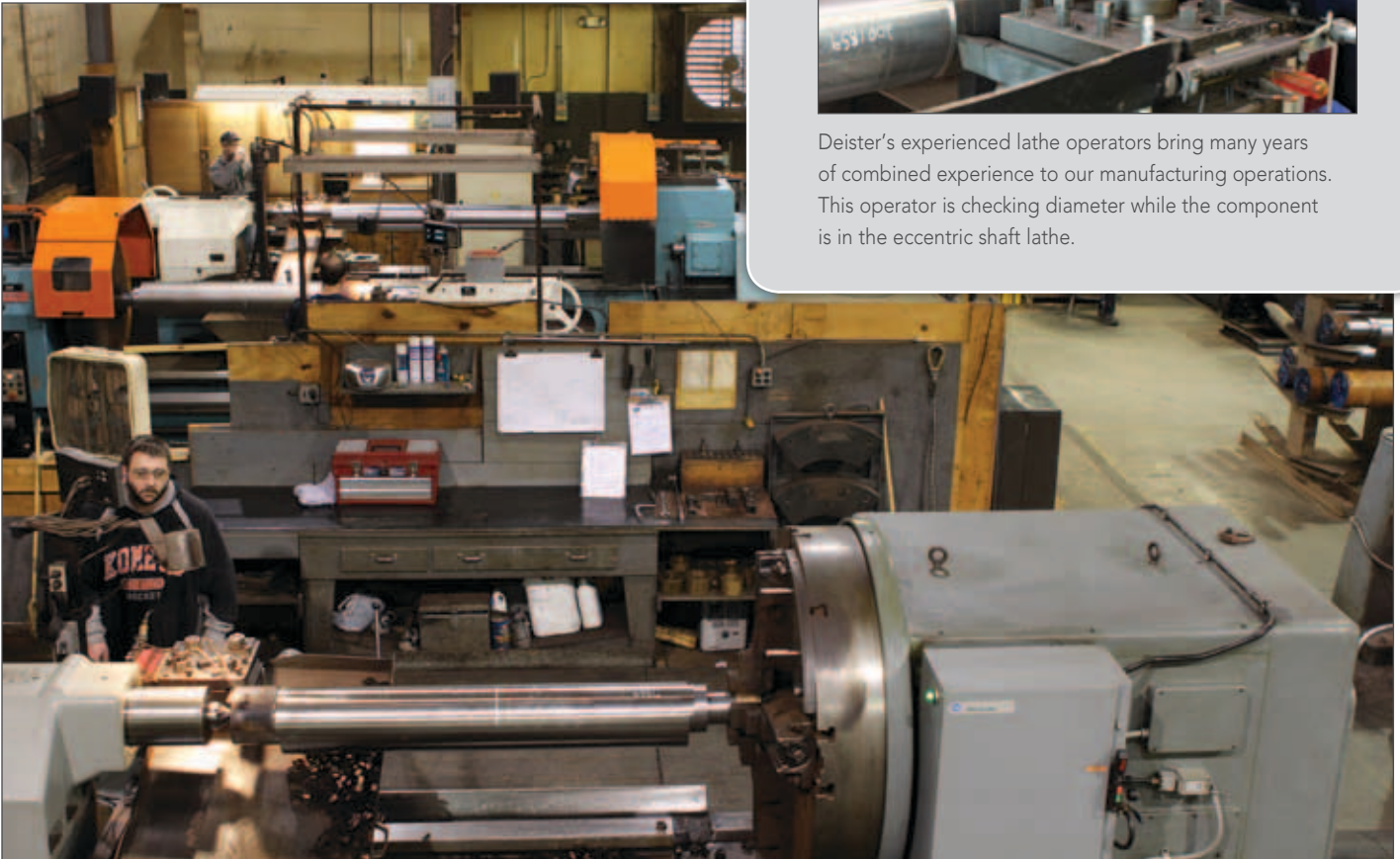


A close-up look at the precision operation of the Vertical CNC Machining Center.

Our operations include (three) eccentric shaft lathes and (three) CNC lathes. In the machining world, there are certain jobs that only a CNC lathe can handle – as they are the choice when high precision and high performance are required; and they deliver increased productivity and provide repeatable accuracy like no other machine can.



Deister's experienced lathe operators bring many years of combined experience to our manufacturing operations. This operator is checking diameter while the component is in the eccentric shaft lathe.



Our CNC High-Definition Plasma Burning Table provides consistent, close-tolerance cuts – and its high-definition means that it allows even tighter tolerances versus conventional machinery. This technology is capable of multi-axis cutting of thick materials, allowing opportunities for complex welding seams that are not possible otherwise.

Robotic Burning, Welding & Component Assembly

From automated materials sawing and burning to state-of-the-art robotic welding, and on to component assembly and the application of long-wearing abrasion-resistant liners, the Deister Machine manufacturing operations ensure the highest quality processes from the initial design of each machine to its final delivery.

Our robotic welding operations allow a higher quality weld product and a consistent weld seam due to superior precision and the flexibility to access even the most hard-to-reach spots.



An automated feed saw accurately cuts bundles of material to pre-programmed lengths.



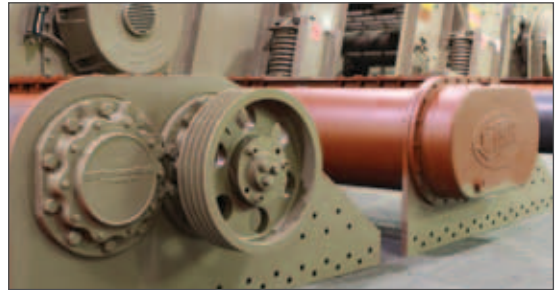
A 10-foot robotic arm with a plasma torch and rotary fixture for 3D burning is at the center of the operations.



Mig welding housing tubes combined with robotic capabilities allow consistent, high quality welds.



A Deister grizzly and two scalping screens are readied for shipment to their final destination.



Geared vibrating mechanisms are awaiting shipment and are ready to be mounted on Deister horizontal screens.

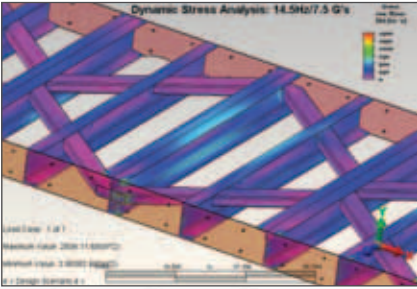


The Deister glue shop is a key facility where abrasion-resistant rubber is cut and bonded to deck frames, mechanism tubes, and other components to ensure long-wear life and lower maintenance costs for customers.



A Deister manufacturing team member carefully cuts abrasion-resistant materials to exact specifications.

Engineering Expertise & Quality Assurance



Advanced engineering tools such as Finite Element Analysis (FEA) and Mechanical Event Simulation (MES) help Deister engineers optimize designs.



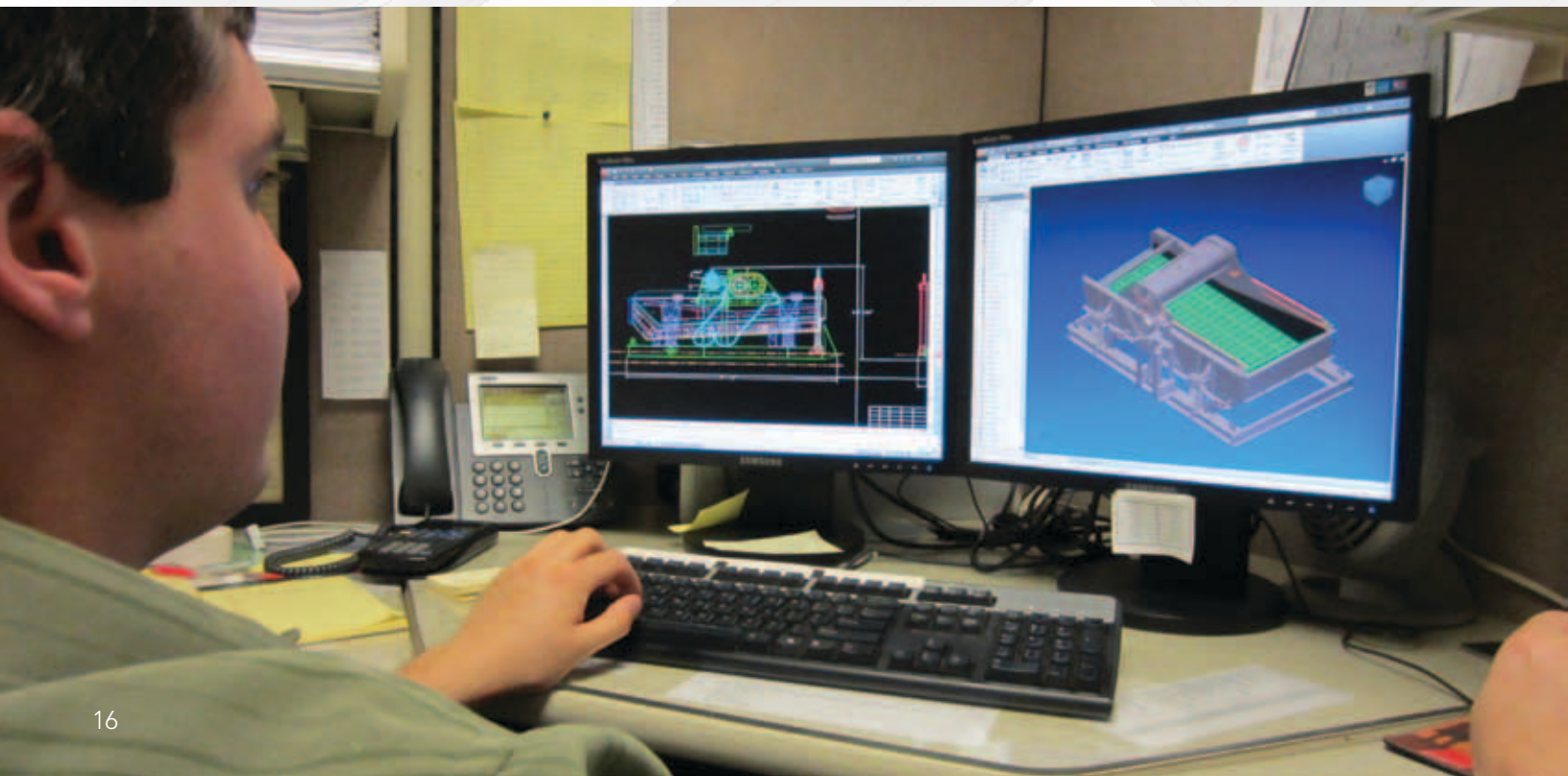
State-of-the-art vibration analysis tools are used to baseline every machine during the QC inspection to check bearings, gears, orbits, side motion and natural frequencies.

Deister application engineers – backed by the Deister network of local equipment dealers – work closely with customers to develop customized solutions that meet the toughest specification challenges. Whether retrofitting to an existing operation or providing components for a new plant, the Deister team partners with customers from the initial analysis of the application; through the design and manufacturing process; and into the installation and startup phase. Each step is completed with the customer's end goals at the forefront.

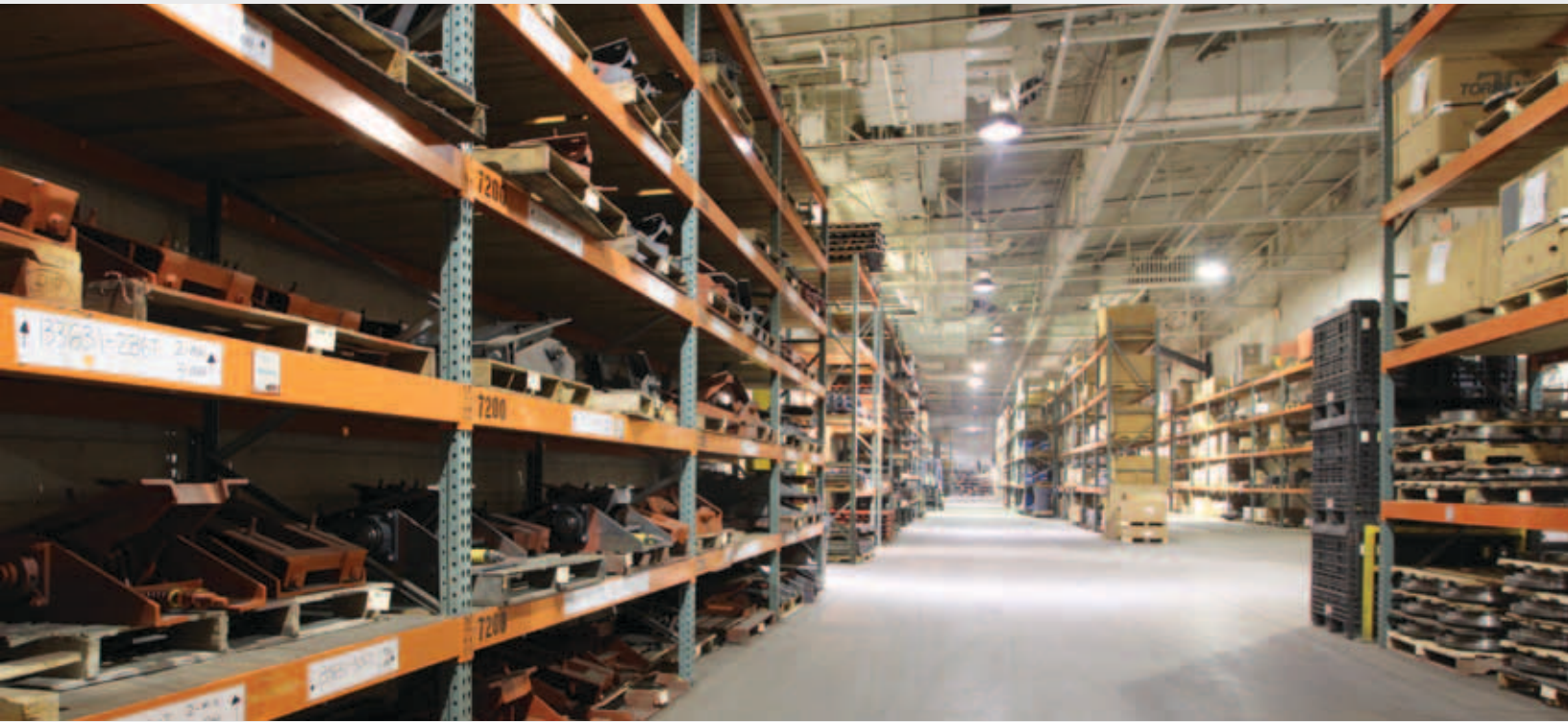
Using state-of-the-art design tools, Deister engineers ensure that every screening and/or feeding component and circuit is designed to deliver greater efficiency while lowering operating costs per ton.

Most important is an ongoing commitment to only the highest quality level. And, Deister combines this discipline with precision machining and welding, followed by rigorous testing prior to shipping to ensure that each piece of equipment performs to its optimum potential each and every day.

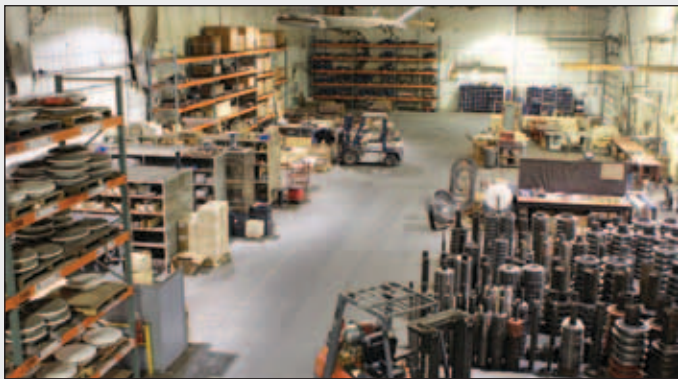
The latest releases of AutoCAD, Inventor and Autodesk Simulation Mechanical (FEA) allow engineers to reduce the time involved in implementing various design changes and evaluate multiple solutions.



Service, Parts Support & Rebuilds



Deister maintains a large inventory of standard components and parts ready for shipment.



Parts are shipped 24/7 from our factory in Fort Wayne, Indiana.



Our rebuild center focuses on the evaluation and refurbishment of used frames and vibrating mechanisms.



Whether from our network of local dealers or from our factory, Deister skilled service technicians are available for onsite troubleshooting and training.

Whether within our factory-based warehouses or at dealer locations throughout the nation, Deister American-made parts are available when needed - 24 hours a day, seven days a week.

As to rebuild services, skilled Deister technicians are available for onsite visits to evaluate older equipment and make recommendations. We have the knowledge and expertise to return equipment to optimal operating conditions, or to modify and adapt equipment to other applications.



The Standard of Excellence

Deister Machine Company, Inc.

THE STANDARD OF EXCELLENCE SINCE 1912



QUALITY IS OUR HISTORY

As a family-owned business for more than a century, Deister Machine Company, Inc. plays an integral part within the aggregate, mining, asphalt and recycle industries. Many of the world's largest producers prefer our high-quality line of feeding, scalping and screening equipment.

One of the few companies left in our industry to resist conglomerate buyouts or foreign investors, Deister Machine Company, Inc. is rich in history and is still guided by a family management that embraces old-world traditions of workmanship, dedication to its employees, technological advancement and a solid business philosophy of putting the customer first.

Irwin F. Deister, Jr., chairman, and E. Mark Deister, president, represent the family's third generation at the company's helm. Their coveted tradition of quality and customer satisfaction began with their grandfather, Emil Deister, the company's founder.



EACH GENERATION of Deister leadership continues to build upon its impressive performance history. Founder Emil Deister served as its president and general manager from 1912 until his death in 1961. Enter the second generation: Irwin F. Deister, Sr., son of the founder, joined the company in 1925, eventually succeeding his father as president, and in 1984 succeeded his brother as chairman until his death in 1988. His brother, Emil Deister, Jr., joined the company in 1926, eventually succeeding his father as chairman until his death in 1984. And, enter the third generation: Irwin F. Deister, Jr., son of Irwin, Sr., joined the company in 1951 and is now its chairman, while E. Mark Deister, son of Emil, Jr., has been active since 1963 and is now its president. Irwin and Mark act as co-chief executive officers, each owning 50 percent of the shares, and together forming the board of directors.

Born in Germany in 1872, Emil Deister migrated to the United States with his parents in 1878 and settled on a farm in Gar Creek, near Woodburn, Indiana. After several years working on the farm and completing the sixth grade of elementary school, Emil began working as a stable boy at the John Bass estate, now the site of St. Francis University in Fort Wayne. Within a few years he rose to the position of staff manager. In 1893, at the age of 21, he began his career as a lathe operator with the Bass Foundry & Machine Co. of Fort Wayne.

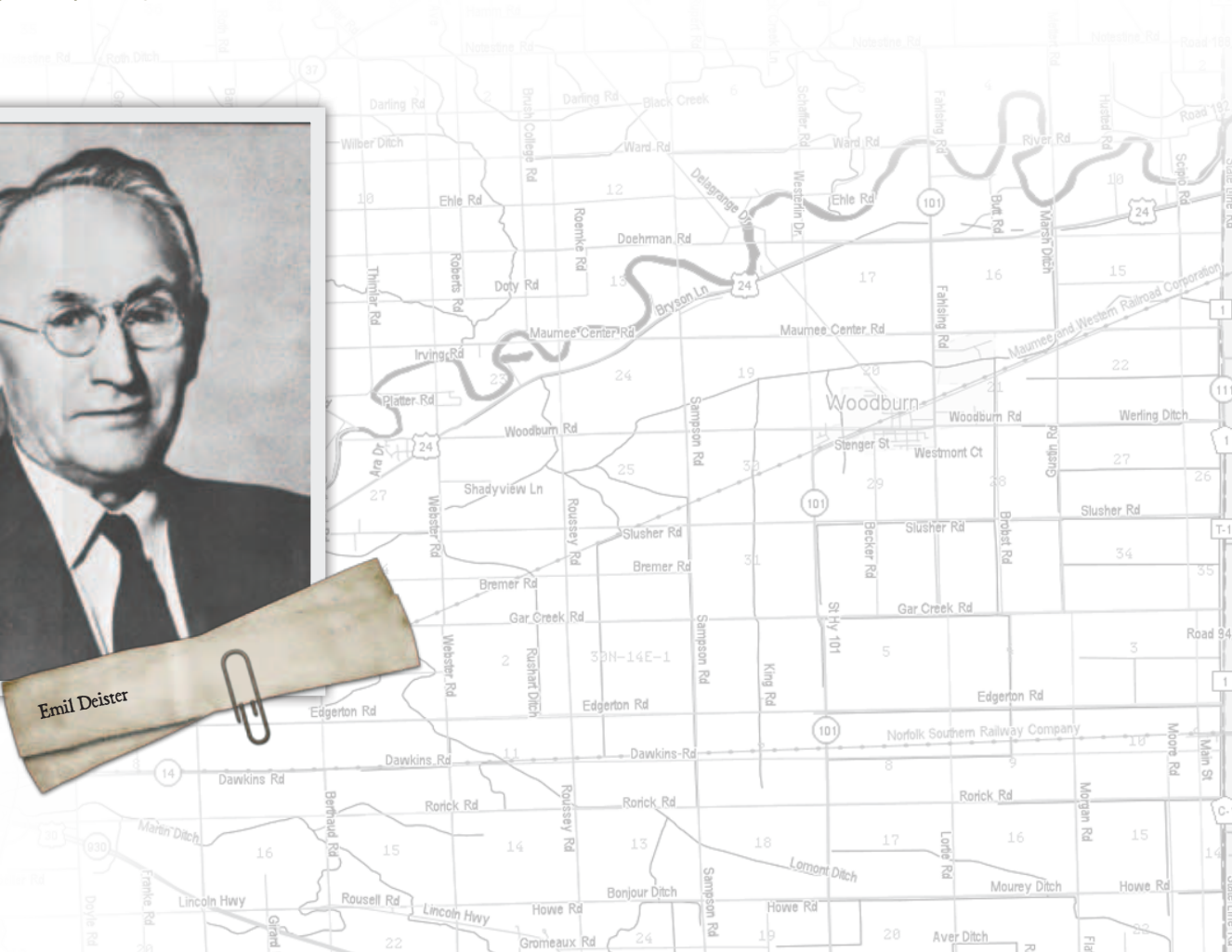
IN 1912, EMIL ESTABLISHED DEISTER MACHINE COMPANY

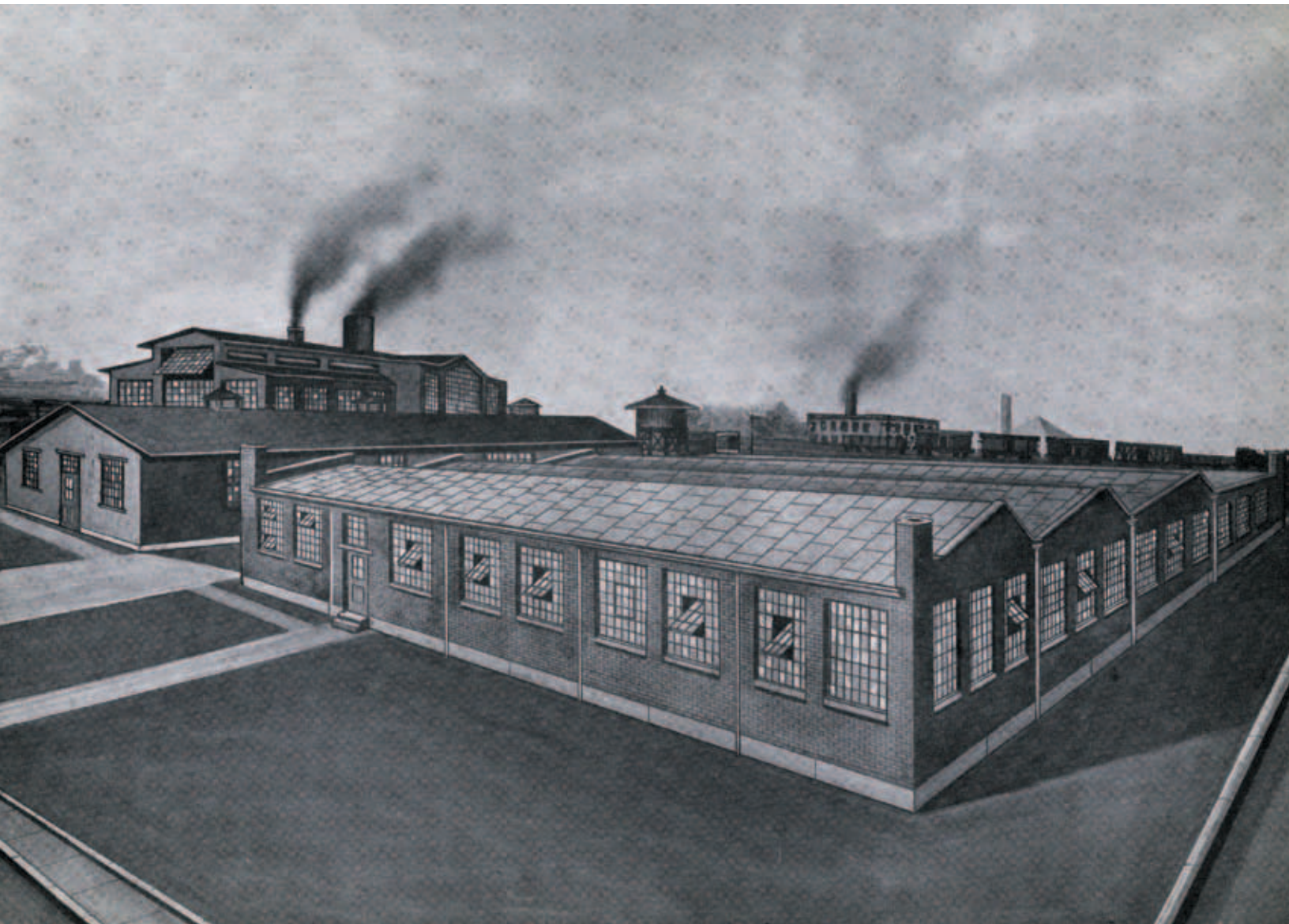
Throughout his career with Bass, during which he had risen to the position of draftsman and erecting engineer in 1905, Emil Deister took up the study of ore separation. Eventually, he would patent his own equipment, starting with a centrifugal separator that extracted gold from mercury amalgam, and continuing on to develop ore separating tables.

He built his first separating table in his basement on Fort Wayne's Baker Street near the Pennsylvania Railroad Station. Upon completion, he took his invention to Arizona, where he begged space from mill owners for its demonstration. Successful and armed with orders for the new equipment, Emil returned to Fort Wayne to set up business in 1906, as the Deister Concentrator Company. The first tables were manufactured in Louis Sipe's machine shop on Superior Street, with woodwork being done in a barn nearby.

This differential-motion ore separating table had riffles attached to its surface. The riffles collected the heavier ore particles and conveyed them in one direction toward a collector, while water washing across them carried the lighter impurities away. The table is praised in Taggart's Handbook of Ore Dressing, the official textbook at many mining schools, as the first serious competition to the only other kind of ore separating table available at the time.

In 1912, Emil sold his interests in Deister Concentrator Company and established Deister Machine Company.





DEISTER MACHINE COMPANY

began manufacturing operations at 1933 East Wayne Street in Fort Wayne Indiana, its current location. The original building, a 5,500 square-foot plant, is still in active use amidst a total operation that today spans more than 360,000 square feet and four plant locations in Fort Wayne. Emil also rented a two-room office on Calhoun Street beginning in July of 1912 for the sum of \$14.00 per month.

By 1913, the company had already expanded internationally with representation in London. However, that office was closed in 1914 as World War I swept across Europe.

Deister's London sales manager was ordered to sell or store the office furniture and return home. His Atlantic Ocean crossing was made most uncomfortable by the fact that just days before, a German cruiser sank two British ships and chased a passenger boat en route to England. In addition to the London office, the company maintained a New York City office until the mid-1950s to handle all exports of the concentrating tables.

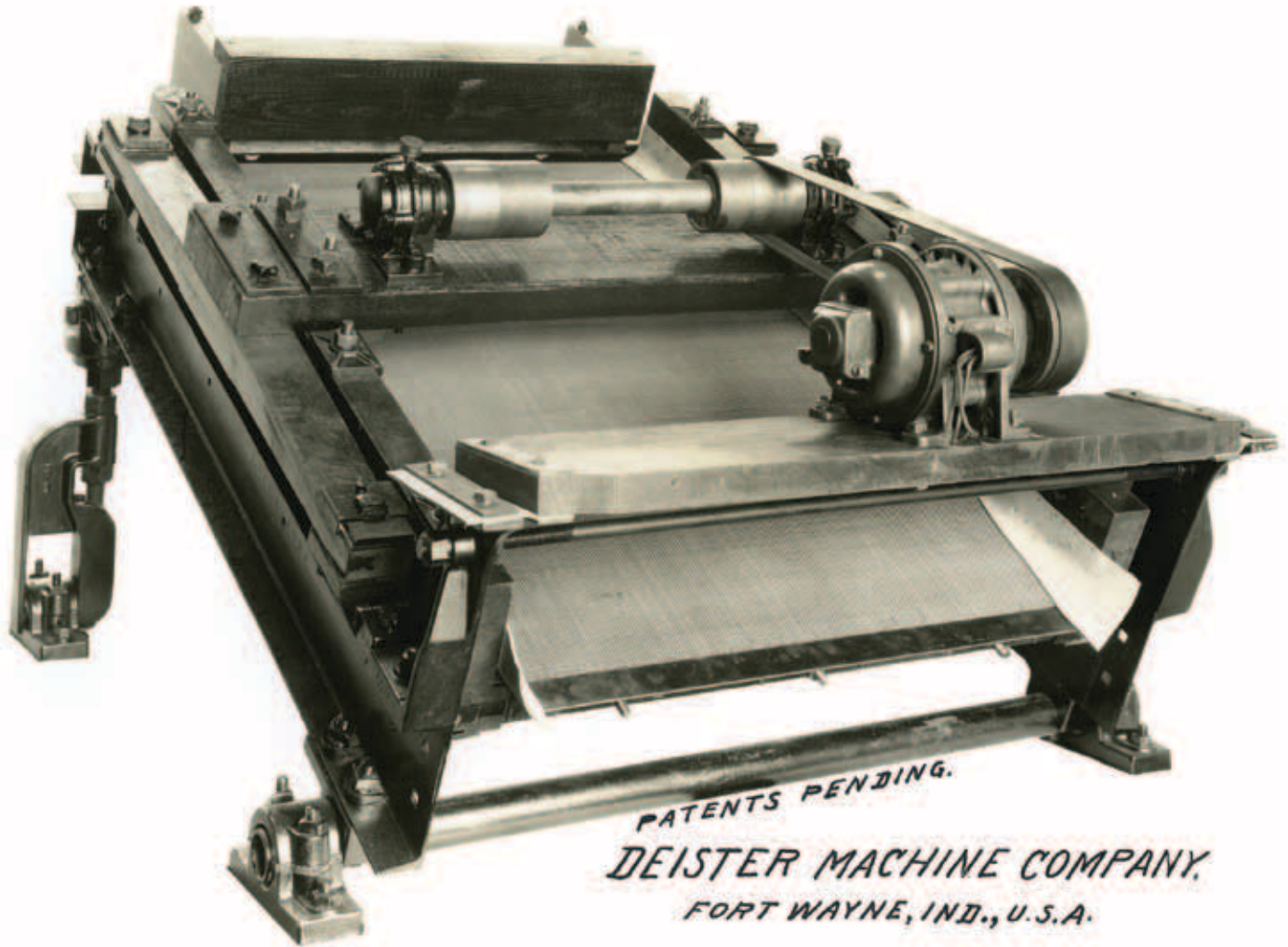


Circa 1915: Ninety-six Deister PLAT-O Ore Concentrating Tables for the processing of titanium ore are readied for shipment to the National Lead Company in Ticonderoga, NY.



Extensive testing and research showed that the Deister PLAT-O tables, with certain important modifications, would also be highly efficient in the economical cleaning of anthracite or bituminous coal. As a result Deister manufactured and installed its first PLAT-O Coal Washing Table in 1916.

TYPE 50 (OPEN) DEISTER PLAT-O VIBRATING SCREEN.



Circa 1925, Deister's first Type 50-Open PLAT-O Vibrating Screen.

Until World War II, Deister Concentrator Company and Deister Machine Company operated as competitors. However, in 1925, upon the request of its customers, Deister Machine Company began manufacturing vibrating screens for the separation of materials according to particle size, a process needed to meet state, federal, and industrial specifications.

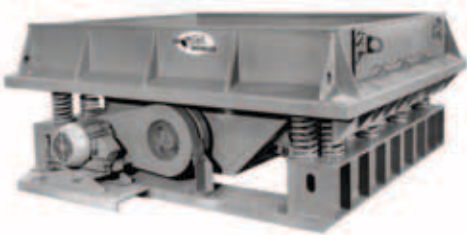


Workers pose on a double-deck 4' x 12' vibrating screen.

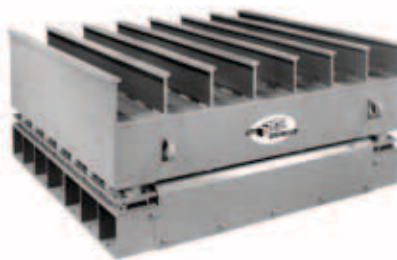


A 5' x 10' foundry sand reclaimer.

The 1930s through the 1970s marked the addition of Deister vibrating feeders and foundry equipment, including shakeouts, compaction tables, reclaimers and oscillating conveyors.



A 10' x 12' foundry shakeout.

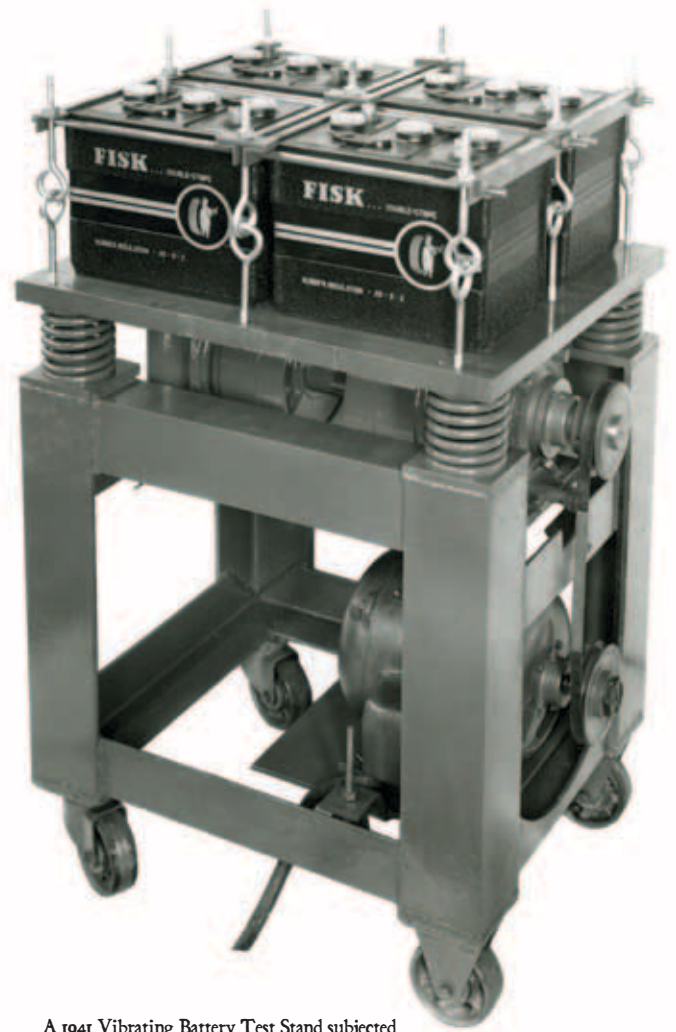


A 7' x 9' foundry compaction table.



A 36'' x 25' conveyor.

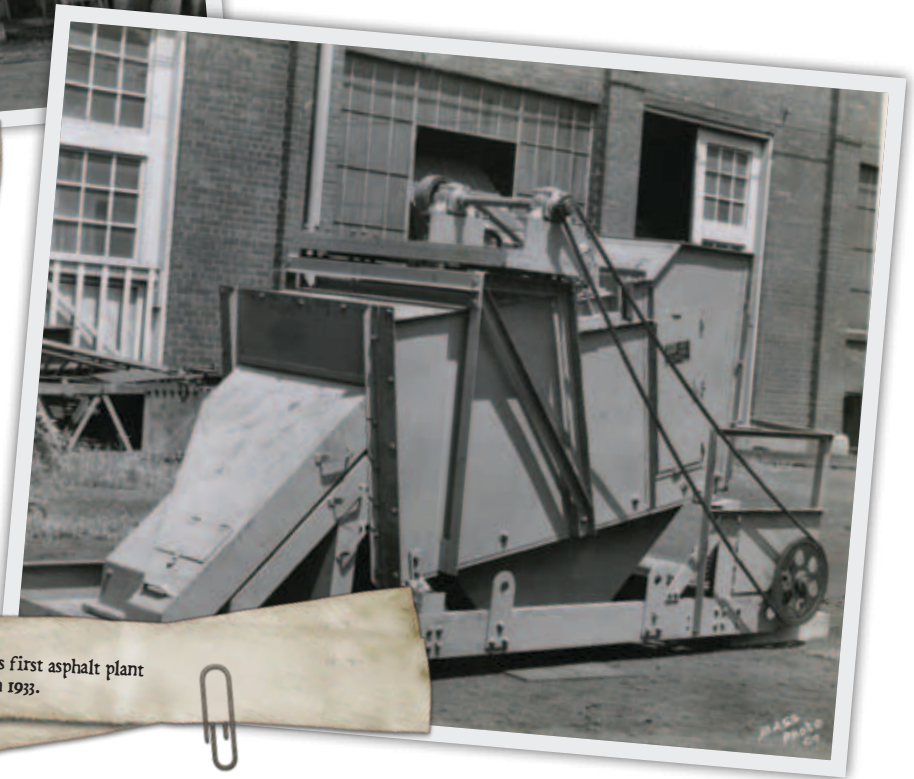
In 1933, Deister introduced its first screens for sizing the aggregate used in hot-mix asphalt plants, including its first totally enclosed asphalt plant screen. Products varied in the 1930s and 1940s to meet the economics and sociology of the times with water softeners being produced during the Great Depression. Battery test stands meeting U.S. military standards were manufactured during World War II.



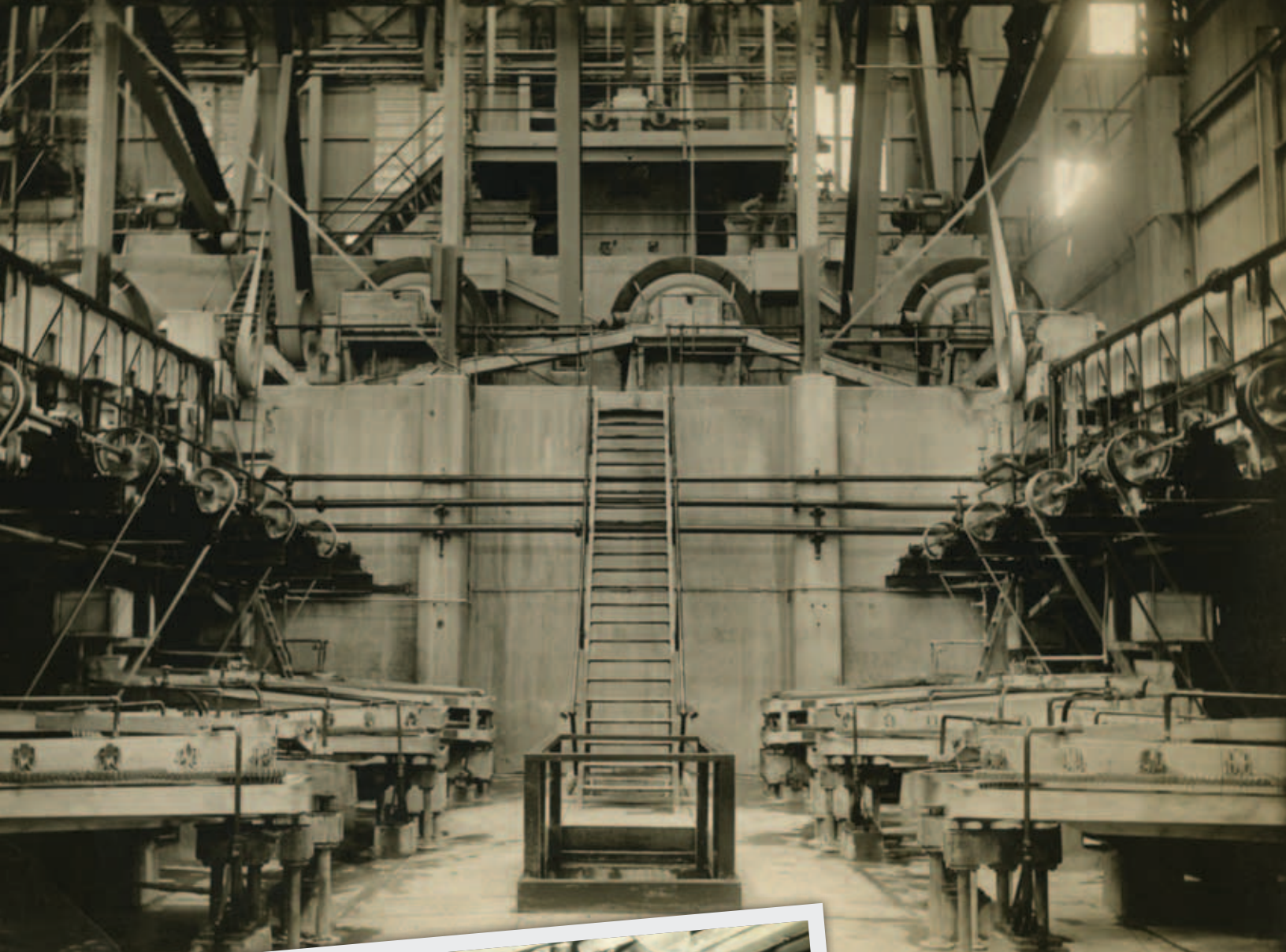
A 1941 Vibrating Battery Test Stand subjected storage batteries to intense vibrations. These break-down tests indicated what type of construction would be the most vibration-resistant.



Circa 1933. An asphalt production site with a totally enclosed asphalt plant screen



Deister's first asphalt plant screen in 1933.



Circa 1913. Single and double-deck Deister sand tables at the Miami Copper Company in Miami, Arizona.



Circa 1928. Gold ore processing at the Chain-O-Mine Mill in Blackhawk, Colorado.



A 1930's sand & gravel plant.



Circa 1972. A Wisconsin sand & gravel plant operates a portable crushing plant with a 5' x 16' Deister double-deck scalping screen and a Deister finishing screen.

HISTORY TIMELINE

- 1906** Emil Deister Sr. forms Deister Concentrator Company to manufacture ore concentrating tables and coal washing equipment.
- 1908** Emil Deister Sr. and his family spend six months in Alaska while Emil visits Klondike region and installs concentrating tables in a Juneau gold processing mill.
- 1912** On June 15th, Emil Deister Sr. forms Deister Machine Company, Inc., after selling his interest in Deister Concentrator Company.
- 1913** Deister opens London, England office.
- 1914** A 5,500 square foot office building, machine shop and test area; and a 6,600 square foot warehouse is constructed at 1933 E. Wayne Street in Fort Wayne, Indiana.
- 1914** The Plat-O trademark is registered.
- 1916** First Plat-O Coal Washing Table is manufactured and installed.
- 1917** A 5,800 square foot carpenter shop is constructed at 1933 E. Wayne St.
- 1925** Irwin F. Deister Sr. begins full-time employment at Deister Machine Co.
- 1925** Deister manufactures its first inclined vibrating screen.
- 1926** Emil Deister Jr. begins full-time employment at Deister Machine Co.
- 1926** New York City office is established for export purposes.
- 1927** First “Progress” Water Softener is manufactured.
- 1933** Deister manufactures its first totally enclosed inclined asphalt plant screen.
- 1943** First Battery Tester for U.S. Army use is manufactured.
- 1944** First Deister horizontal vibrating screen.
- 1946** New welding shop is constructed adjoining the warehouse.
- 1946** Purchase of the first truck for service trips.
- 1949** Deister develops and manufactures its first “high-speed” inclined screen – Type SL.
- 1950** Deister manufactures its first “unitized” vibrating mechanism for inclined screens; and its first “side-tension” type screen cloth tensioning devices.
- 1951** Irwin F. Deister Jr. begins full-time employment with Deister Machine Co.
- 1953** Deister logo becomes registered trademark.
- 1954** The manufacturing of Deister’s first “unitized” vibrating mechanism for horizontal screens.
- 1960** Deister develops and manufactures its first “spring-and-rubber-mount” support system in conjunction with the H-beam base.
- 1961** Founder Emil Deister Sr. passes away; and Emil Deister Jr. is named Chairman of the Board and Co-CEO, with Irwin Deister Sr. named as President and Co-CEO.
- 1963** Mark Deister begins employment with Deister Machine Co.
- 1963** First Deister 6-foot-wide vibrating screen.
- 1964** First Deister vibrating feeder.
- 1965** Deister develops and manufactures its first Type DDS, dual sand deck totally enclosed vibrating screen for asphalt plant use.
- 1965** First Deister primary scalping screen.
- 1968** Construction of new 11,760 square foot assembly building at 1933 E. Wayne St.
- 1972** First Deister dual-shaft vibrating mechanism for use on 8-foot-wide inclined vibrating screen.
- 1972** Construction of new 3,220 square foot office building.
- 1973** Deister develops and manufactures its first Foundry Sand Reclaimer.
- 1975** Deister develops and manufactures its first Foundry Shakeout.
- 1977** The manufacture of Deister’s first Type USM inclined vibrating screen for drum-mix type asphalt plant use.



150,000 TONS Without a Single Cloth Change

150,000 tons of material sized without a screen change . . . that's the record of a Deister 5' x 12' triple-deck Vibrating Screen that helped increase plant production 400 percent during its first season of operation. Since then, this Deister Screen has required no service other than screen cloth changes and easy

day-to-day maintenance. Installed in 1946 at the Kickapoo Sand and Gravel Company Plant, Peru, Indiana, this Deister Screen has averaged 300 tons per hour . . . 270 tons of virgin feed, plus 30 tons of circulating load. Its daily production represents the material supplied by 20 railroad cars.

HISTORY TIMELINE

- 1978** Deister develops and manufactures Compaction Tables and Conveyors for foundry use.
- 1980** First Deister Vibrating Grizzly.
- 1981** Deister manufactures its first Lump Reducer for foundry use.
- 1981** Deister purchases a 9,500 square foot building on E. Berry St.
- 1984** In November, Emil Deister Jr. passes away.
- 1985** Deister manufactures its first triple-shaft horizontal vibrating screen.
- 1986** The purchase of its 15,250 square foot West Building on E. Berry St.
- 1987** Deister introduces computers to its operations.
- 1988** Installation of AutoCAD system in engineering department.
- 1988** In February, Irwin Deister, Sr. passes away; and Irwin F. Deister, Jr. and E. Mark Deister become sole owners with Irwin named as Chairman and Co-CEO and Mark named as President and Co-CEO.
- 1988** Addition of 1,200 square feet of conference, service department, and engineering office space.
- 1991** Purchase of parking lot adjacent to assembly building.
- 1993** Lease of 18,000 square feet at Fruehauf complex on Pontiac St.
- 1993** First Deister dewatering screen.
- 1994** Construction of a second story (5,000 square feet) on the office building.
- 1995** Lease of additional space (35,000 square feet) at Fruehauf complex.
- 1996** Purchase of abandoned Central Foundry property (28,800 square feet).
- 1997** Deister develops and manufactures its first triple-shaft inclined vibrating screen.
- 1998** Lease of additional space (35,000 square feet) at Fruehauf complex.
- 1999** Purchase of abandoned Deister Concentrator property (62,200 square feet).
- 1999** First Deister ten-foot-wide vibrating screen.
- 2001** Purchase of "Doetsch" property adjacent to Central Foundry property, including old Lassus Bros. office.
- 2002** Deister manufactures its first System Saver for oil filtration.
- 2004** Lease of additional space (22,400 square feet) at Fruehauf complex.
- 2004** Purchase and razing of old Pheasant Inn building.
- 2005** Razing of Central Foundry building.
- 2006** Construction of new two-story office wing and conference room (4,800 square feet).
- 2007** Lease of additional space (33,000 square feet) at Fruehauf complex.
- 2008** Lease of additional space (46,000 square feet) at Fruehauf complex for a total of approximately 190,000 square feet at Fruehauf for manufacturing, warehousing, parts, and shipping.
- 2010** In April, an out-of-control automobile rams into the office building and through the new conference room causing structural and content damage estimated at \$117,600.
- 2010** In October, rebuilding and repairs are completed and the conference room is re-dedicated.
- 2011** Deister develops and manufactures its first portable plant.
- 2011** Irwin F. Deister Jr., marks 60 years of service with the company.
- 2012** Deister develops and manufactures alternate design triple-shaft horizontal vibrating screen.

*Received
Southern
to 2nd floor
ending July
\$14.00*

THE WESTERN UNION TELEGRAPH COMPANY
 25,000 OFFICES IN AMERICA CABLE SERVICE TO ALL THE WORLD
 THEO. N. VAIL, PRESIDENT BELVIDERE BROOKS, GENERAL MANAGER

RECEIVED NO. *COPY* DATE *July 6* 191*2*

SEND the following message subject to the terms on back hereof, which are hereby agreed to

To *Wm. F. Deister*
to Dominion Hotel
Globe Arizona

Father may pass away any time
no change if you intend
coming home better leave at
once

Emil

NIGHT LETTER
 THE WESTERN UNION TELEGRAPH COMPANY
 25,000 OFFICES IN AMERICA CABLE SERVICE TO ALL THE WORLD
 ROBERT C. ELOWRY, PRESIDENT BELVIDERE BROOKS, GENERAL MANAGER

RECEIVED NO. *COPY* DATE *July 4* 191*2*

SEND the following NIGHT LETTER subject to the terms on back hereof, which are hereby agreed to

To *W. F. Deister*
to Dominion Hotel Globe Arizona

Father's condition became
suddenly worse this afternoon
we want you to come
at once

Emil Deister

WESTERN UNION
 TELEGRAM
 THEO. N. VAIL, PRESIDENT

RECEIVED NO. *10* DATE *Aug. 21, 1914*

SEND the following Telegram subject to the terms on back hereof, which are hereby agreed to

Telegram

C. I. Alter,
562 Salisbury House,
London, England

Stop off the post advertising ~~business~~ sell or store contents
come home. *E. Deister*

paid (charge Deister Machine Co.)

Fort Wayne Ind. - July 5, 1912

From Emil. Deister

Dollars for Rent of 2 Rooms
at 916 Calhoun St. for one Month

1912 *Matthias App. Estate.*
Get from P. App.

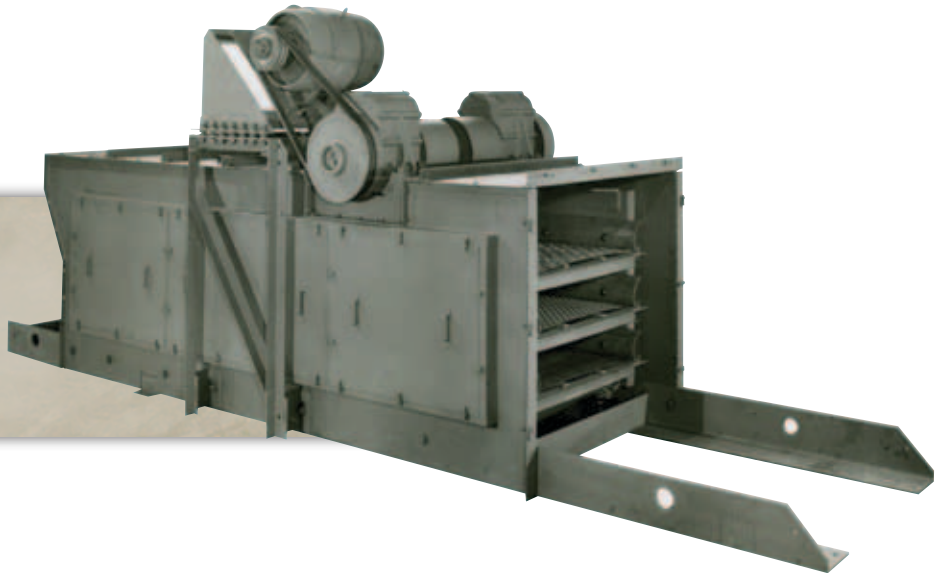
BUILDING TOWARD A CENTURY OF INNOVATION

From its founding and through today, Deister continues its ongoing commitment to industry innovation - and by responding to the needs of its marketplace, Deister strengthens its keen focus on its core business. As a result, these decades see the development of many numbers of integral feeding, scalping, and screening solutions.



1914

The Cone Baffle Classifier allows the separation of coarse from fine material to enable concentrating machines to treat a graded feed to the best advantage.



1944

Deister designs and manufactures its first horizontal vibrating screen.

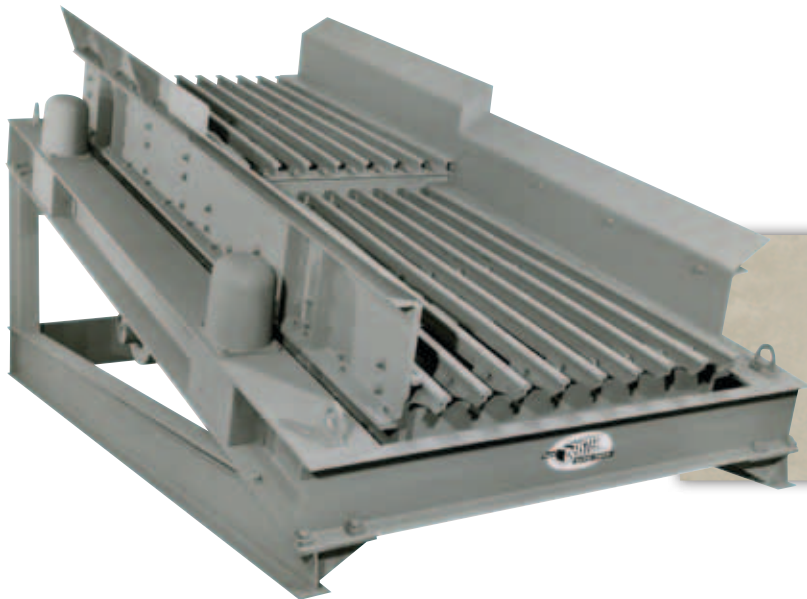
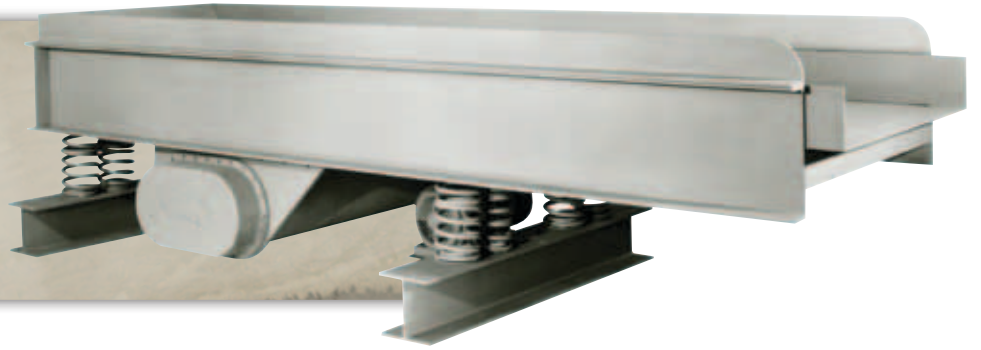


1949

In 1949, Deister develops its USL High-Speed Vibrating Screen designed to screen damp, sticky material via intense vibration at a relatively high frequency with material passing through medium to medium-fine screen cloth openings.

1964

In 1964, Deister develops its first vibrating feeder, a component designed to provide a uniform and continuous controlled flow of material from the hopper to the primary crusher – while increasing crusher capacity, preventing bridging within the hopper, and eliminating material surges to the crusher.



1965

In 1965, Deister's first primary scalping screen is manufactured and designed especially for rough sizing or scalping ahead of the primary crusher, providing a more efficient alternative to the stationary grizzly that had been in common use.

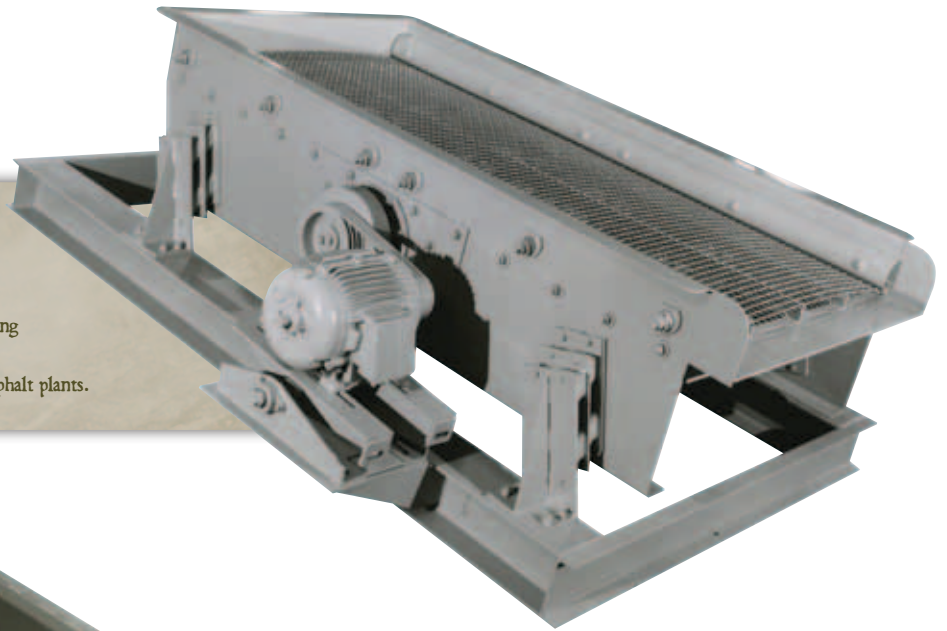
1972

In 1972, Deister engineers and manufactures its first dual shaft inclined vibrating screen.



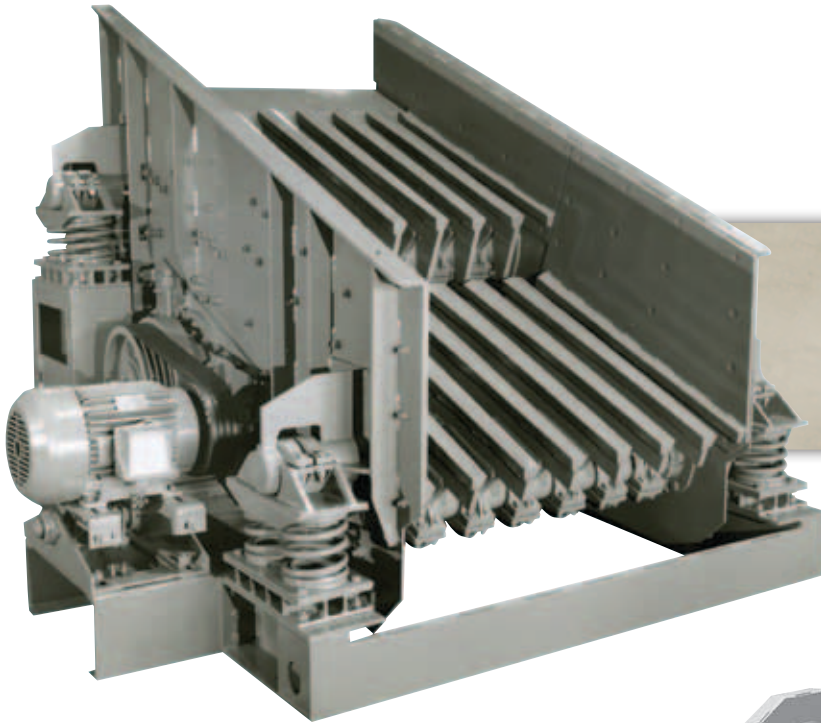
1977

In 1977, the USM Vibrating Screens are developed for high-capacity scalping or sizing in portable or stationary drum mix asphalt plants.



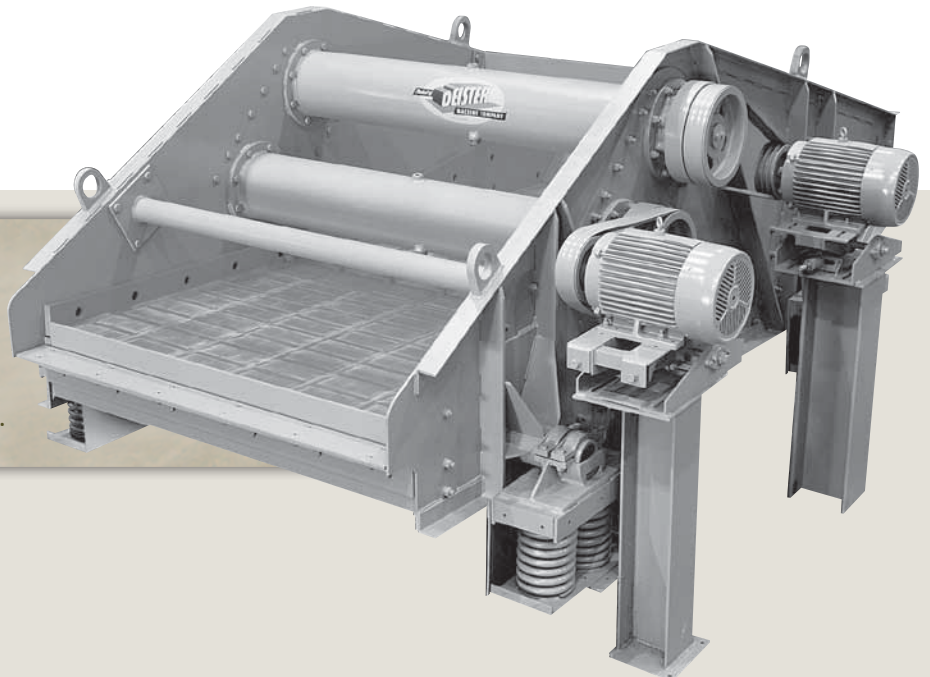
1980

In 1980, Deister manufactures its first Type VG Vibrating Grizzly.



1993

In 1993, the Type TFO Dewatering Screen is developed as a higher capacity alternative. Its heavy-duty construction allows producers to run with deeper beds of material, and at higher tonnages with drier products, than that of other units on the market.





Deister displays its products at the 1933 Coal Show in Cleveland.

CONEXPO-CON/AGG 2011





The Standard of Excellence

AS DEISTER MACHINE COMPANY MARKS A CENTURY OF INNOVATION -

we continue forward with new products, new solutions,
and a renewed commitment to our customers.



ULTRA-FINES RECOVERY
SYSTEM (UFR)

PREMIUM PORTABLE
SCREENING PLANTS



HEAVY-DUTY
INCLINED VIBRATING SCREENS

HEAVY-DUTY
HORIZONTAL VIBRATING SCREENS



HEAVY-DUTY
REVERSE SLOPE
DEWATERING SCREENS

HIGH-SPEED
SCREENS



DRUM MIX
ASPHALT PLANT SCALPING SCREENS

ASPHALT BATCH PLANT
VIBRATING SCREENS



VIBRATING FEEDERS

SYSTEM SAVER



Innovative screening, scalping and feeding solutions
CUSTOMIZED TO YOUR SPECIFICATIONS.



Since 1912

Deister Ultra-Fines Recovery System (UFR)



The Deister UFR System is capable of recoveries to 350-400 mesh at feed capacities from 1500-3500 GPM. It utilizes a radial distribution manifold for even distribution of solids to all cyclones. The reverse slope vibrating screen is available in sizes up to 7' wide and 12' long, with solids capacities up to 70 TPH.

- Recovers ultra-fine sands & silts.
- Greatly reduces settling pond cleaning & maintenance.
- Allows producers to turn waste materials into saleable product.
- No need for polymers & flocculants.

- Cyclones are available with a variety of liner and body materials.
- Victaulic connections allow flexibility and ease of maintenance.
- Optional "Duck Bills" can be attached to the cyclone apex with siphon control to accommodate variable feed solids conditions.
- Sump is constructed with heavily reinforced $\frac{1}{4}$ " walls and wide flange beam vertical columns.
- Sloped bottom plate promotes even solids flow to the pump inlet and an automatically adjusted make-up water valve protects the pump.
- Sturdy hand-railed stairway and platform on both sides and back of the screen allow for safe and easy maintenance access.
- Several pump configurations are available mounted on a steel frame base pad.

DEISTER PREMIUM PORTABLE SCREENING PLANTS

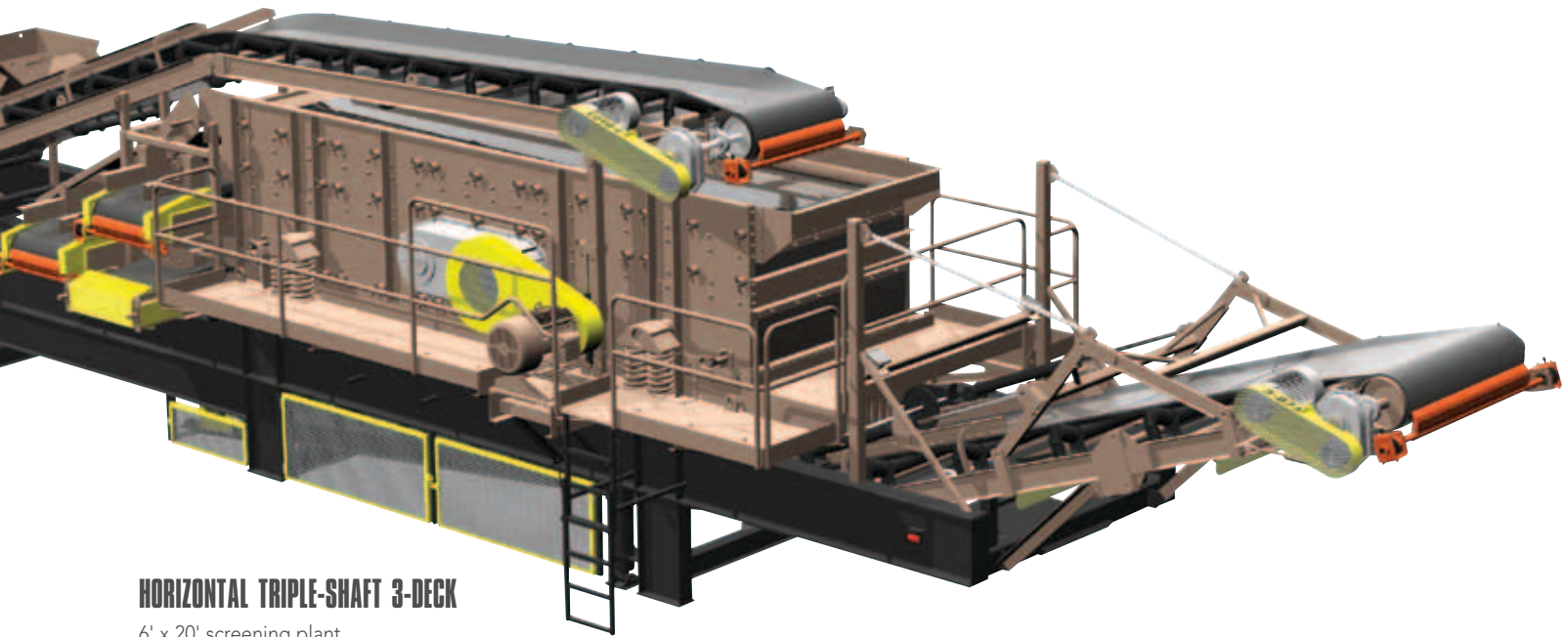
NEW! PORTABILITY PLUS SUPERIOR SCREENING

Heavy-duty, high-quality, custom-designed plants that incorporate what you expect from Deister equipment – longevity, maximum value and uptime, superior performance, unequaled service and parts availability, and innovative features that include:



- Deister heavy-duty vibrating screen.
- Walking beam tri-axle suspension.
- Access ladders & walkways on both sides and front of screen/with hydraulic folding on one side.
- Centralized grease points.
- All chutes and hoppers lined or made from AR 400 plate.
- 60" undersize conveyor below screen/or 84" on 8' wide unit.
- 30" motorized head pulley cross conveyors/or 36" on 8' wide unit.
- Self-cleaning, wing-type tail pulleys.
- Appropriate safety guarding for all moving components.
- Optional feed hopper with heavy-duty 36" conveyor/or 42" on 8' wide unit.
- Optional tilt grizzly on dump hopper with hydraulics.
- Optional 42" screen feed conveyor/or 48" on 8' wide unit.
- Optional four (4) leg hydraulic leveling package with 12 VDC power pack & filtration.
- Optional hydraulic cylinders to fold discharge conveyor.
- Optional hydraulic cylinders to adjust feed conveyor discharge height.
- Optional six (6) or eight (8) hydraulic leveling/ "Run On" cylinders powered by Honda engine.
- Optional spring loaded belt scrapers.





HORIZONTAL TRIPLE-SHAFT 3-DECK

6' x 20' screening plant
with feed hopper



INCLINED 3-DECK

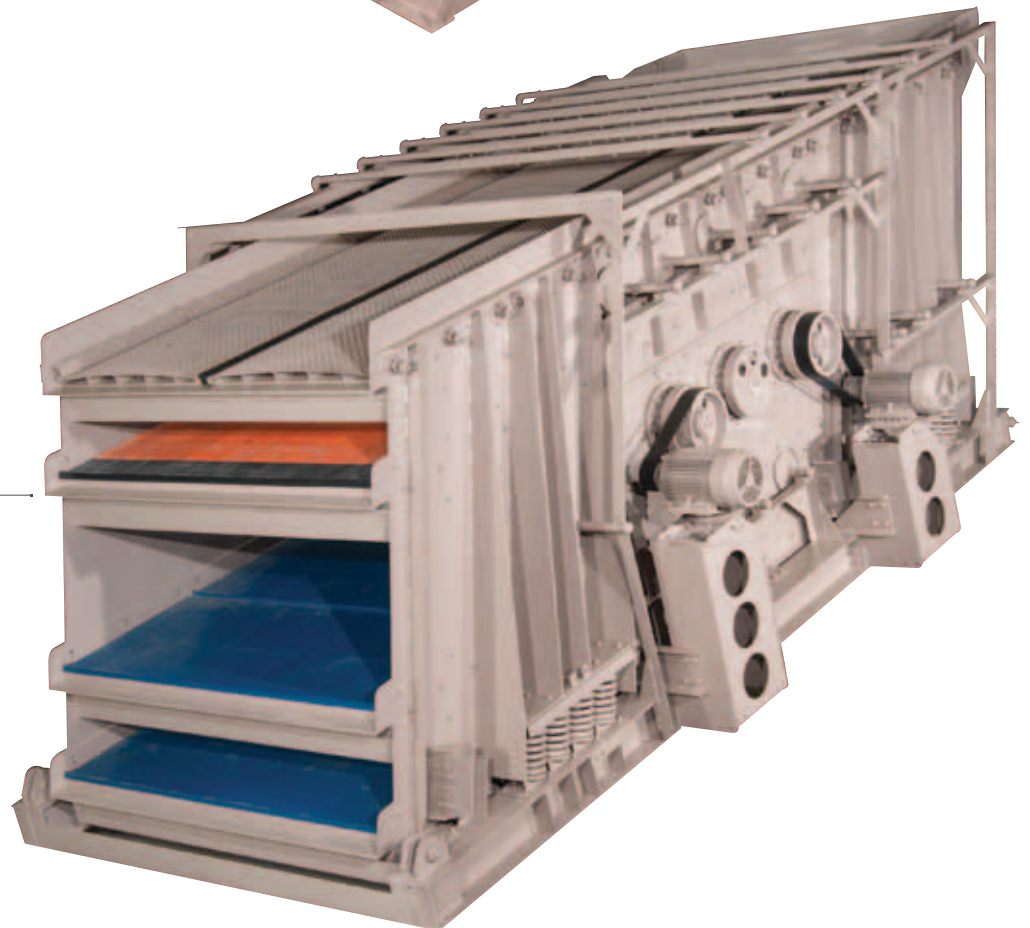
8' x 20' screening plant

HEAVY-DUTY INCLINED VIBRATING SCREENS



BHM-3824-03T

3-Deck 8' x 24'
Washing Screen
equipped with triple-shaft
vibrating mechanism



BHM-41024-03T

4-Deck 10' x 24'
Washing Screen
equipped with triple-shaft
vibrating mechanism

Unitized Long-Life Vibrating Mechanism

Deister's innovative "unitized" vibrating mechanism (mounted either on top of the vibrating frame or between the decks, depending upon screen type), is a precision-constructed, jig-assembled unit, which incorporates all the advantages of a two-bearing vibrating mechanism and runs in a bath of oil with internal and external labyrinth seals to prevent loss of oil and the entrance of dirt.

Slinger Mist Lubrication

Deister's exclusive slinger mist lubricating system allows operation at higher speeds and at lower operating temperatures. It's the ultimate in oil lubrication of anti-friction bearings and ensures safe operating temperatures under hot climatic conditions where it acts, in effect, as a cooling system.

Opposed Elliptical Throw

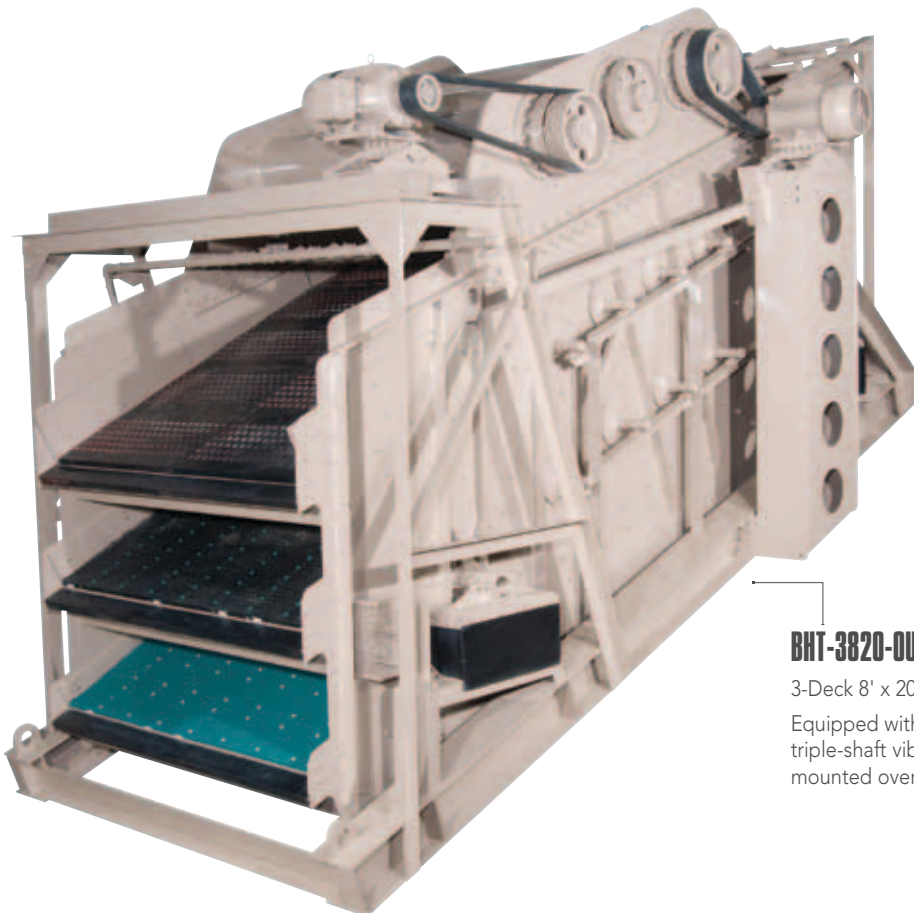
Deister Type BHT Vibrating Screens feature a powerful positive opposed elliptical throw action, which permits operation at a flatter screen angle by controlling the movement of material on the screen for the greatest speed and efficiency in sizing.



BHM-3824-03T-E

3-Deck 8' x 24'

Fully-enclosed screen equipped with rubber canopy-style dust enclosure; triple-shaft vibrating mechanism

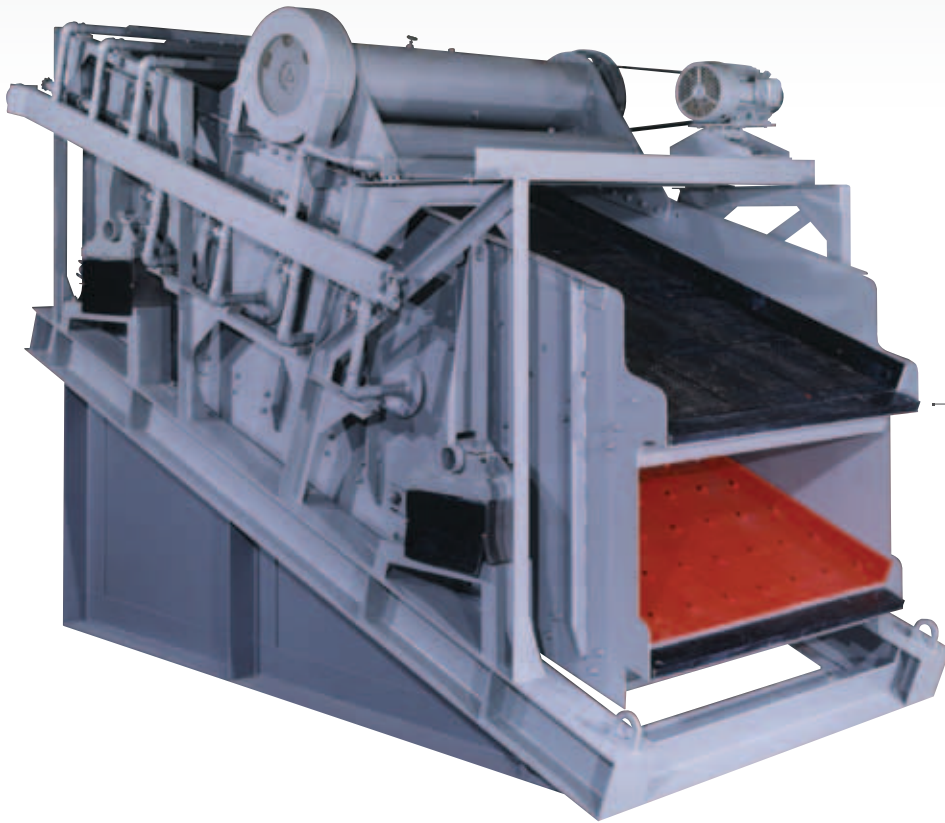


BHT-3820-0U3T

3-Deck 8' x 20'

Equipped with spring covers and triple-shaft vibrating mechanism mounted overhead

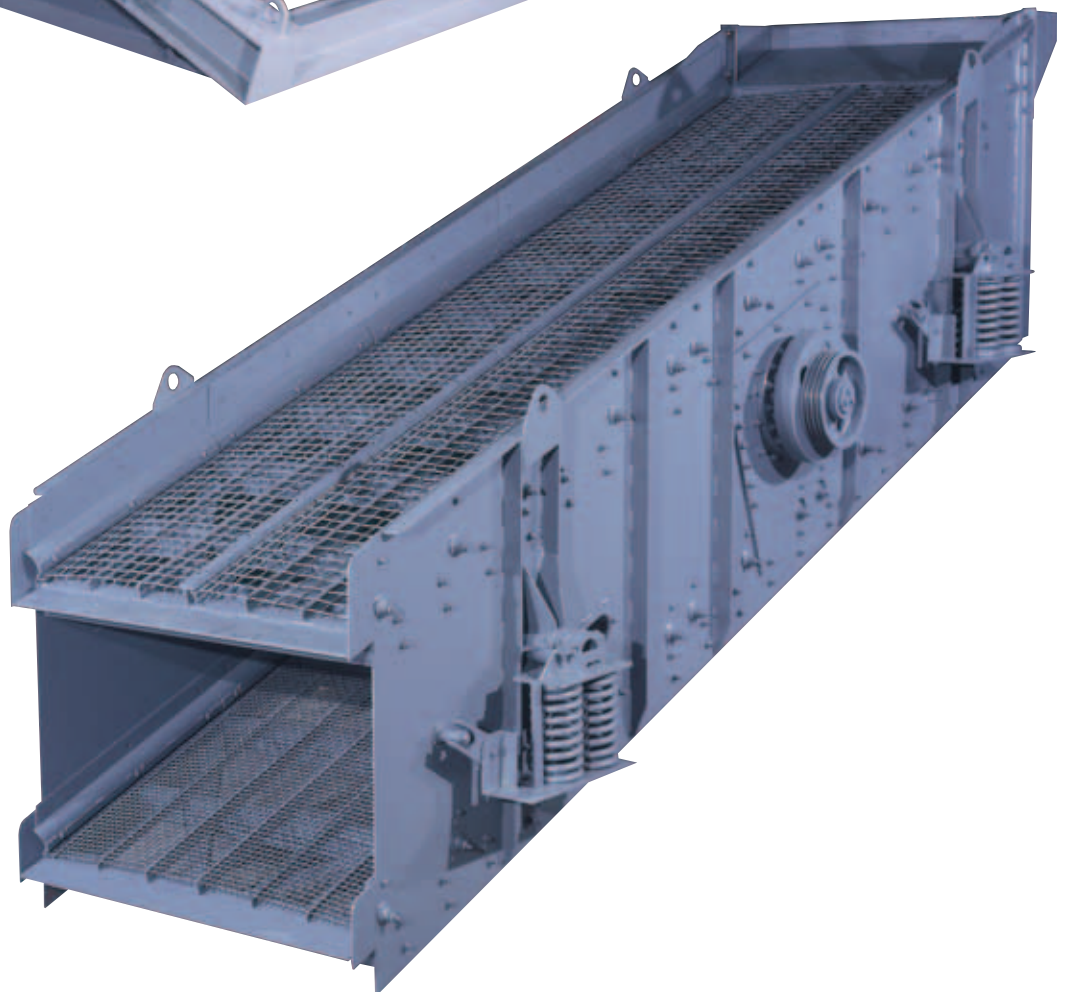
HEAVY-DUTY INCLINED VIBRATING SCREENS



BHT-2716

2-Deck 7' x 16'

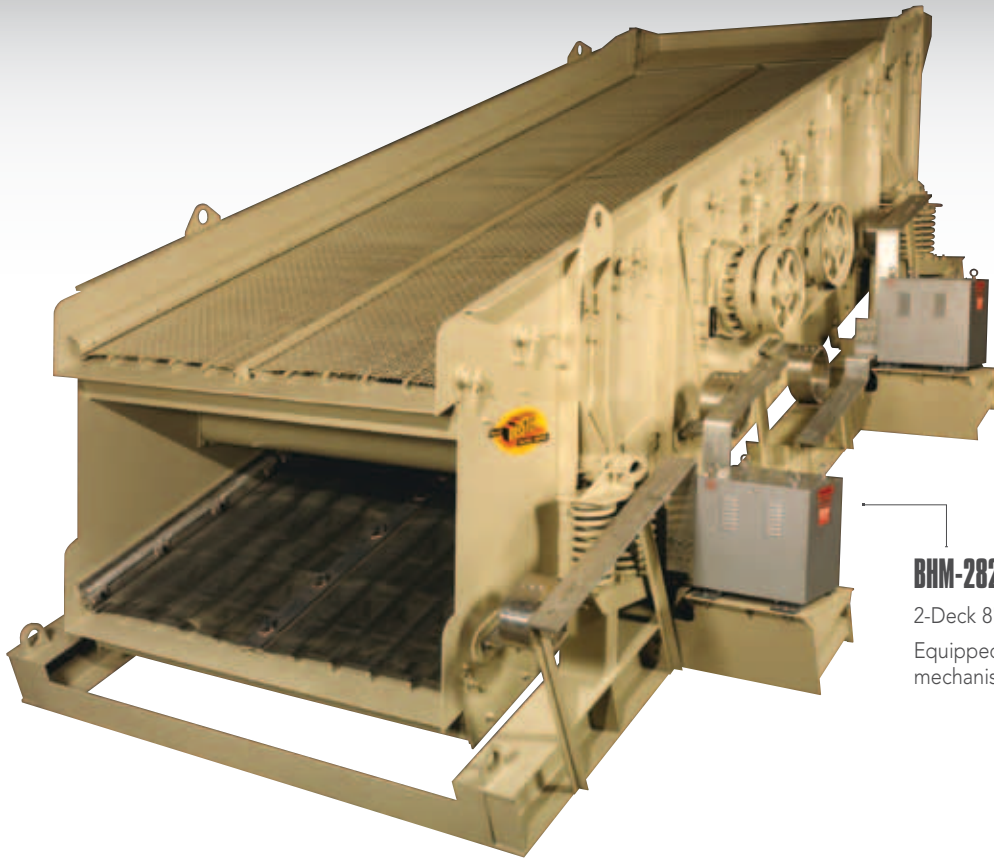
Rinsing Screen with modular rubber on top deck and modular urethane on the bottom deck; spring covers; and horizontal sub-base



HM-2620

2-Deck 6' x 20'

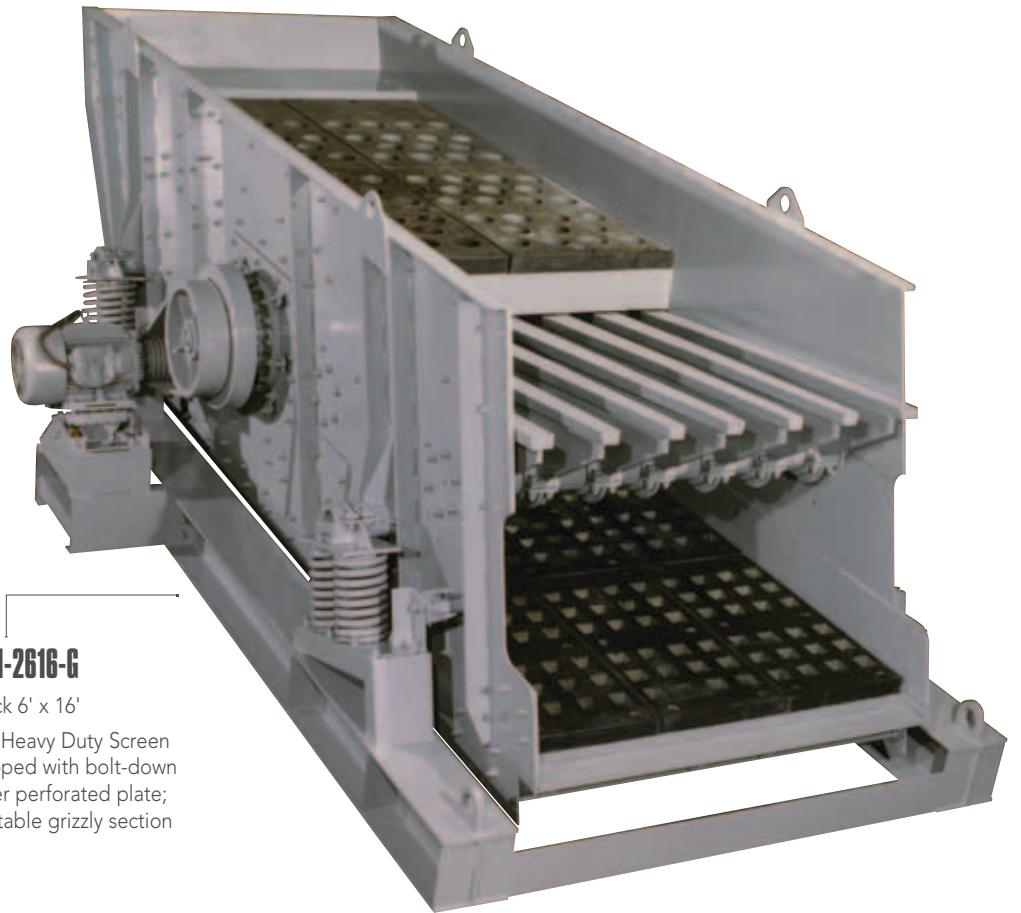
Without H-Beam base;
screen cloth side-tension design



BHM-2820

2-Deck 8' x 20'

Equipped with dual vibrating mechanisms; heated bottom deck



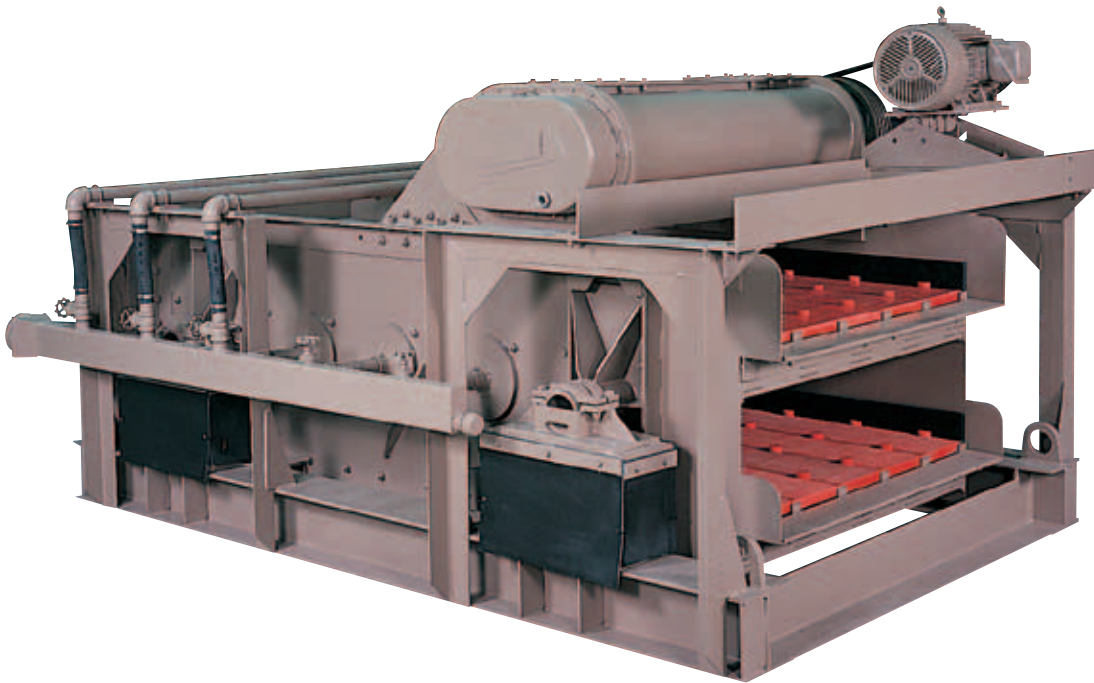
BXHM-2616-G

2-Deck 6' x 16'

Extra Heavy Duty Screen equipped with bolt-down rubber perforated plate; adjustable grizzly section

HEAVY-DUTY HORIZONTAL VIBRATING SCREENS

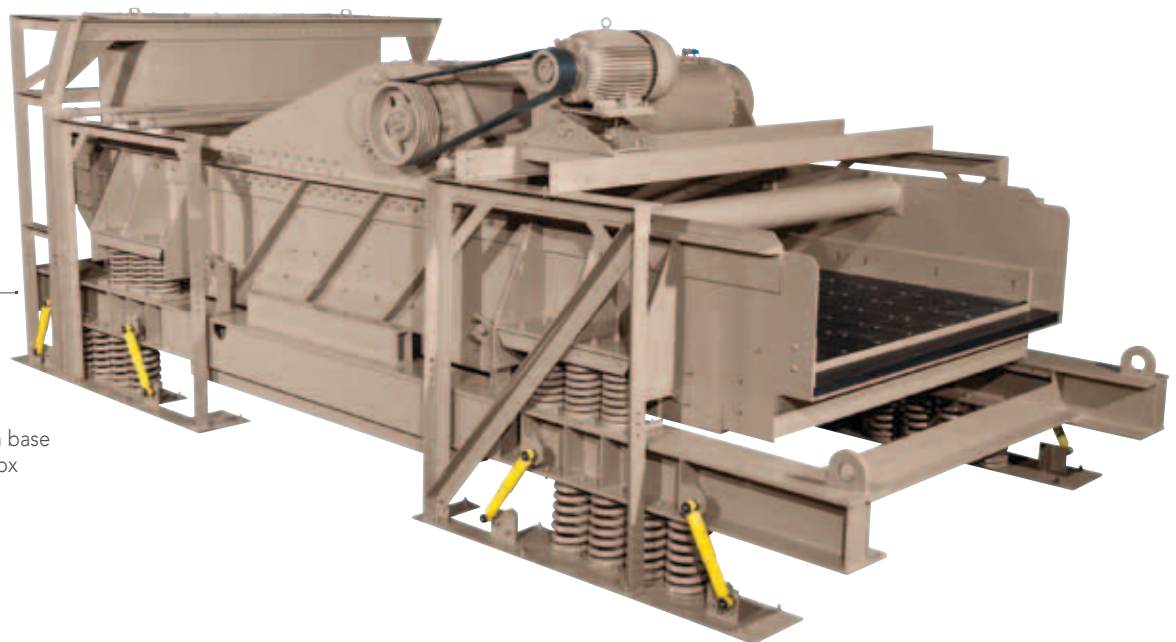
Deister Horizontal Vibrating Screens and Horizontal Triple-Shaft Vibrating Screens combine efficiency and low headroom. Also, like the inclined screens, horizontal models are engineered with the "unitized" long-life vibrating mechanism and Deister's exclusive slingermist lubrication. Models may be supplied with or without a wide-flange H-beam base.



BFO-2510

2-Deck 5' x 10'

Washing Screen equipped with rubber spring covers



BFO-1820

Single-deck 8' x 20'

Equipped with isolation base and feed distribution box



BFO-2512

2-Deck 5' x 12'

Equipped with top-deck finger screen and bottom-deck carry pan

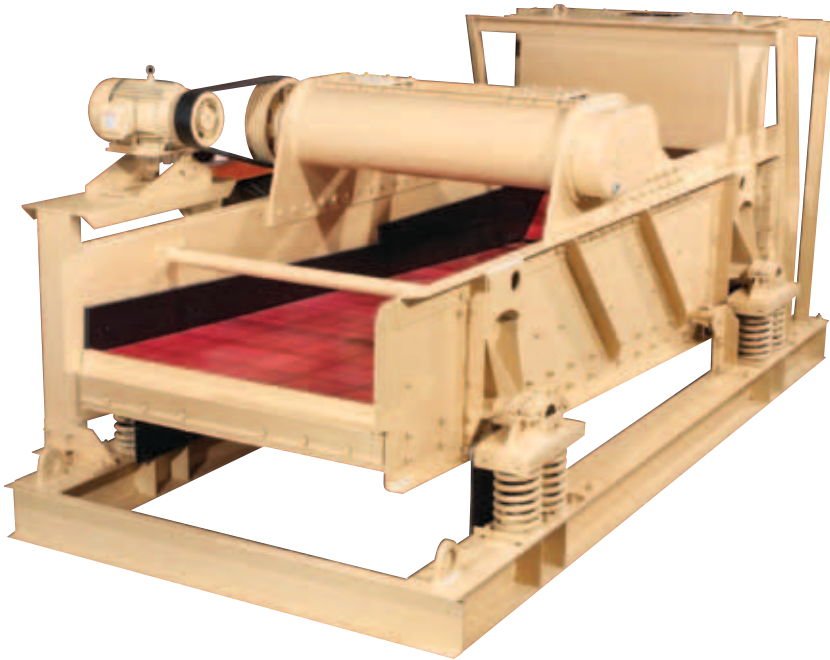


BTFM3P-3620

3-Deck 6' x 20'

Triple-shaft horizontal screen with removable extended discharge chutes

Heavy-Duty Reverse Slope Dewatering Screens



BFO-1514-DW

Single-deck 5' x 14'

- Trunnion spring supports allow easy incline adjustment of screen frame.
- Adjustable discharge weir allows variations of material bed depth to maximize dewatering.
- 45-degree feed panel provides high-capacity dewatering at the point where slurry is introduced.
- Specially-designed, extra-high urethane side wear panels at feed end provide side sheet protection from the slurry pool.

- Processes with deeper beds of material, and at higher tonnages with drier products, versus that of conventional dewatering screens.
- Additional centrifugal force allows more tons per hour per square foot of screen area; and deeper bed depth entraps more ultra-fine particles.
- Versatile handling of numerous feed types including hydro-cyclone discharge, dredged sand, sand screw overflow, sand screw discharge, coal fines, settling pond fines, wash screen underflow, and shredded recyclables.
- Sizes range from 2' x 8' to 8' x 20'.

BFO-1814-DW

Single-deck 8' x 14'



Deister High-Speed Screens

For high-capacity fines removal

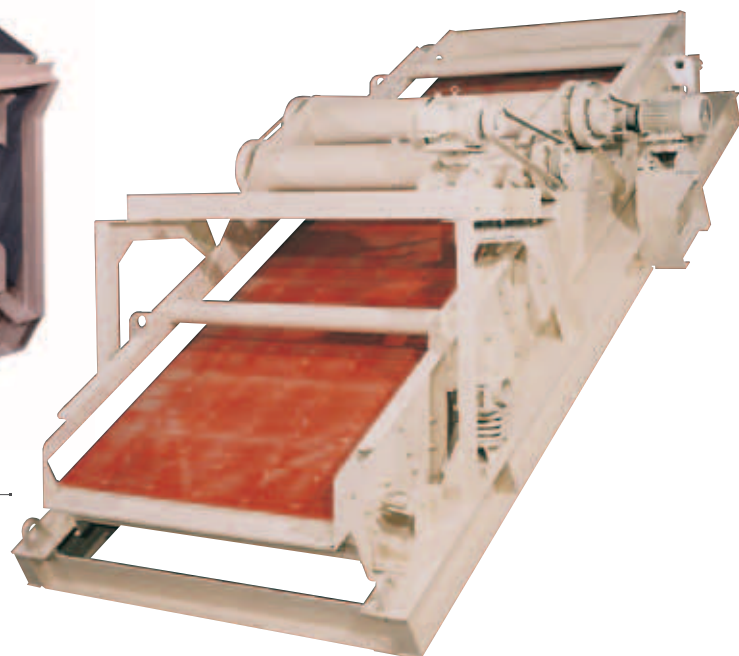
- Features an exclusive long-life “unitized” vibrating mechanism mounted on top of the vibrating frame, or between the decks.
- Delivers optimum separation of fine materials due to a steeper (typically 30 degrees) screen inclination; effective material bed management; and higher G-force operation.
- Increased inclination boosts particle travel rate and reduces the bed depth, while a higher-than-conventional speed and stroke create maximum G-forces that quickly stratify material for effective screening.
- Either end-tensioned screen cloth or modular urethane decks help eliminate possible blinding during high-frequency applications, eliminating the channeling of fines to the sides and resulting in uniform bed depth and maximum screening efficiency.
- Features a precision-constructed, jig-assembled vibrating system that incorporates all the advantages of a two-bearing system, and runs in a bath of oil with internal and external labyrinth seals to prevent loss of oil or contamination.
- A unique slingermist lubricating system allows operation at higher speeds and at lower operating temperatures.
- Available in single- and double-deck models, and in a wide range of sizes up to a 6' x 18' unit.



BHSM-2616-E

2-Deck 6' x 16'

Equipped with rubber dust enclosure



BHST-1616

Single-deck 6' x 16'

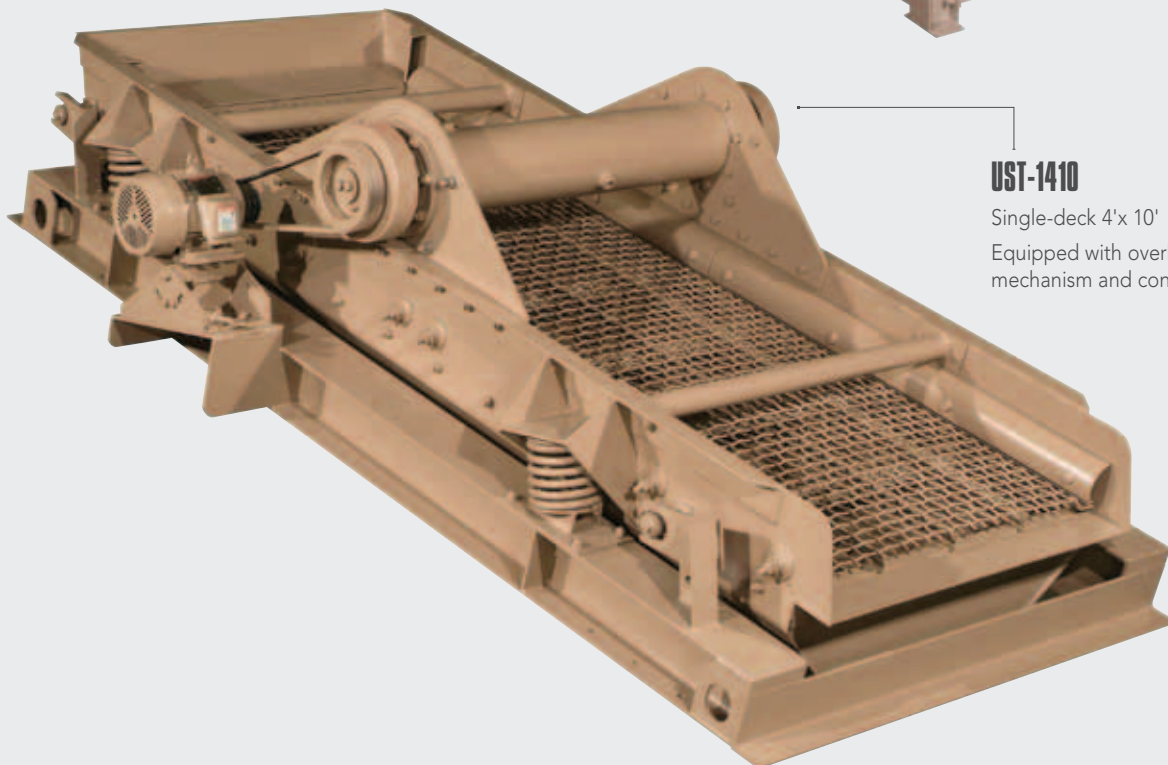
DRUM MIX ASPHALT PLANT SCALPING SCREENS



USM-2512

2-Deck 5' x 12'

Equipped with access ladder, catwalks, deck selector and side discharge

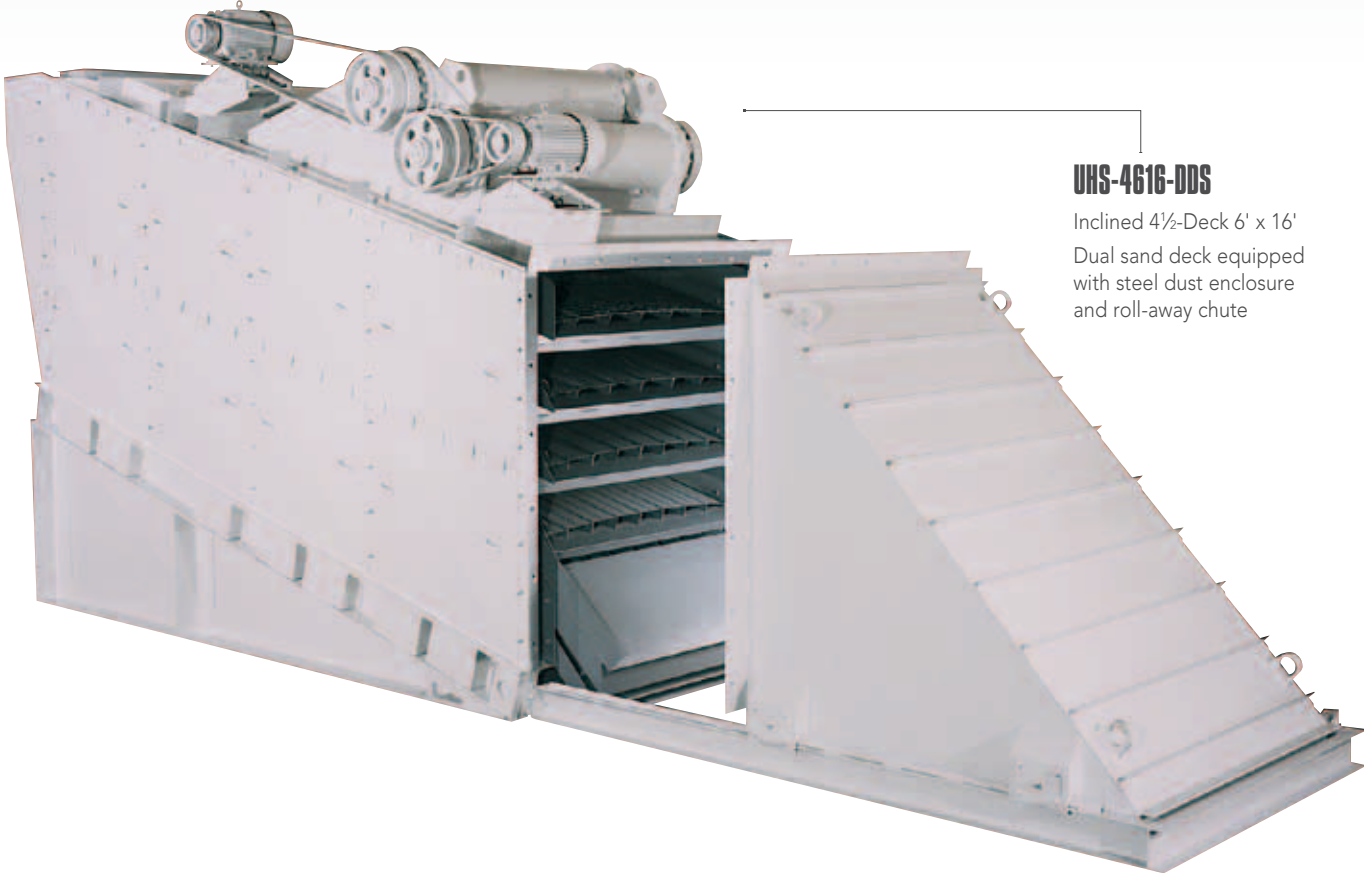


UST-1410

Single-deck 4' x 10'

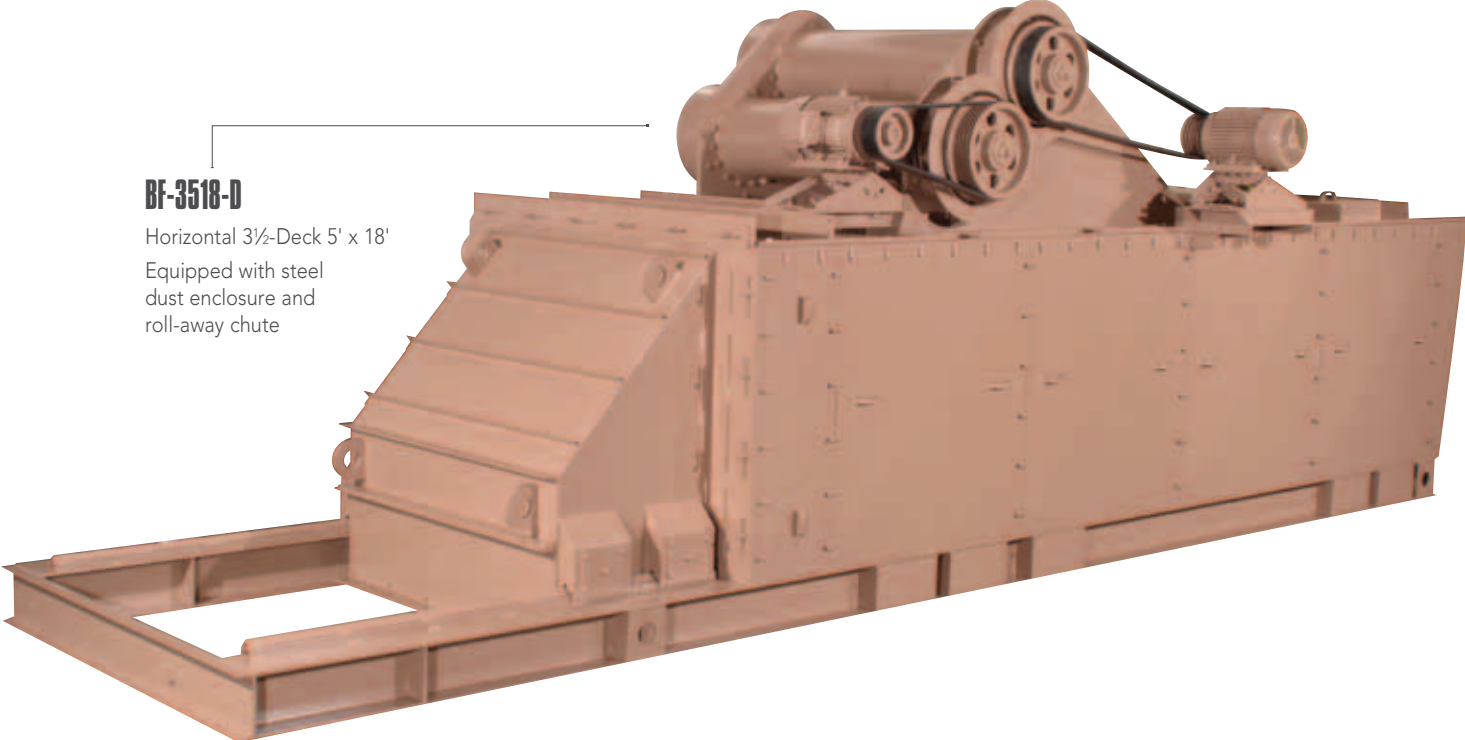
Equipped with overhead vibrating mechanism and converging side sheets

ASPHALT BATCH PLANT VIBRATING SCREENS



UHS-4616-DDS

Inclined 4½-Deck 6' x 16'
Dual sand deck equipped
with steel dust enclosure
and roll-away chute



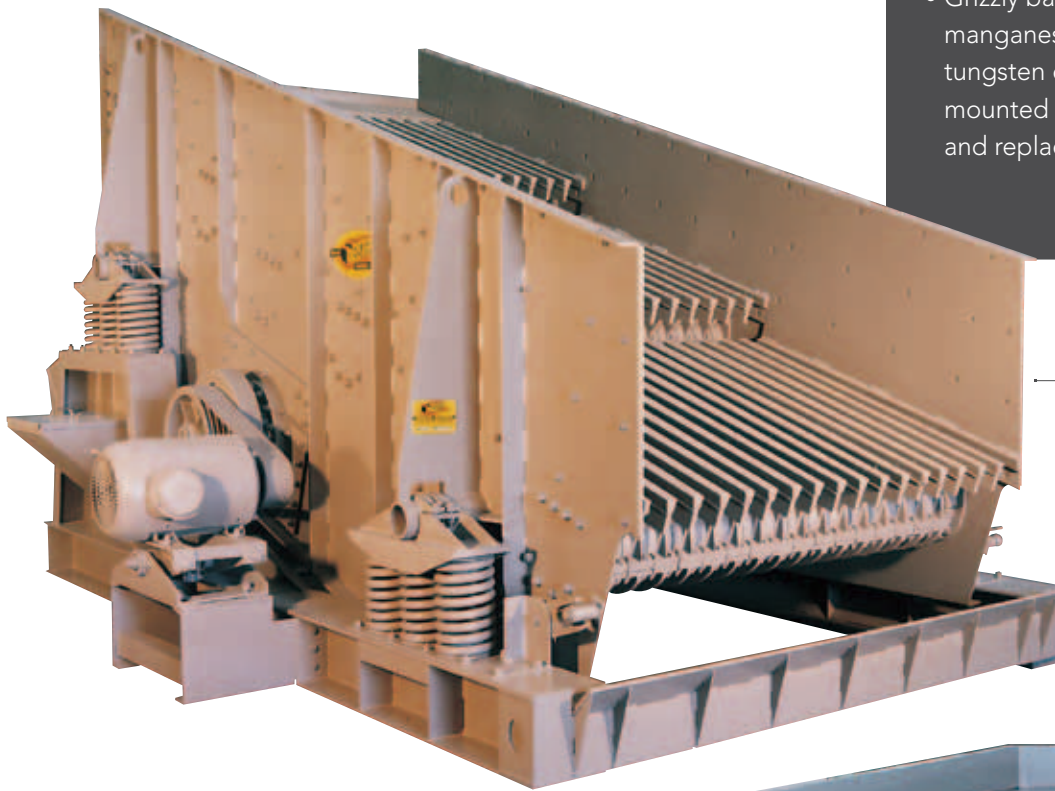
BF-3518-D

Horizontal 3½-Deck 5' x 18'
Equipped with steel
dust enclosure and
roll-away chute

VIBRATING FEEDERS & GRIZZLIES

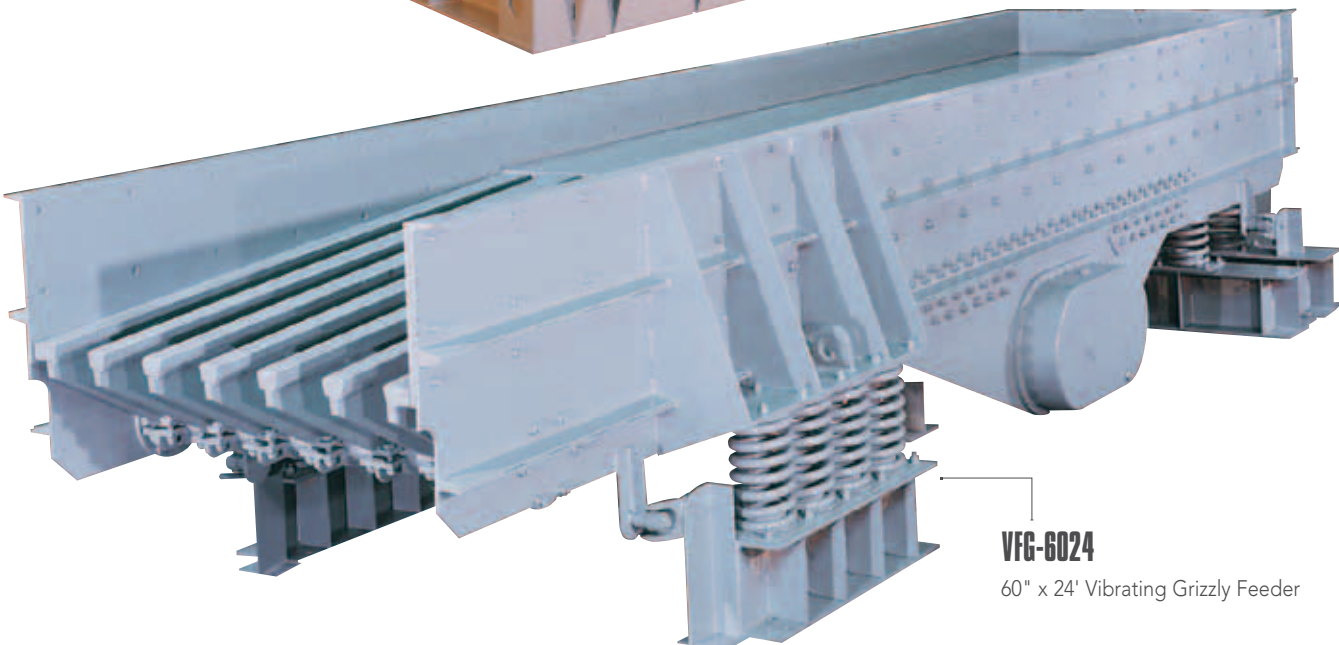
Ruggedly built to provide long-term durability, Deister Vibrating Feeders are designed to provide a uniform continuous controlled flow of material from the hopper to the primary crusher, increasing crusher capacity and overall efficiency, while preventing material from bridging within the hopper and eliminating surges of material to the crusher. Deister Type VFG Vibrating Grizzly Feeders combine scalping and feeding into one operation.

- Features heavy H-beam cross members, heavy-duty vibrating frame, and specially-designed coil springs that can absorb tremendous impact and loading stress.
- Heavy side plates are protected by replaceable liners or wear plates.
- Side plates are strongly buttressed to withstand massive side thrust.
- All pan sections are equipped with "bolt-on" replaceable wear plates.
- Grizzly bars, engineered with cast manganese steel or AR steel with tungsten carbide overlay, are individually mounted for ease of adjustment and replacement.



VGB-8416

84" x 16' Vibrating Grizzly

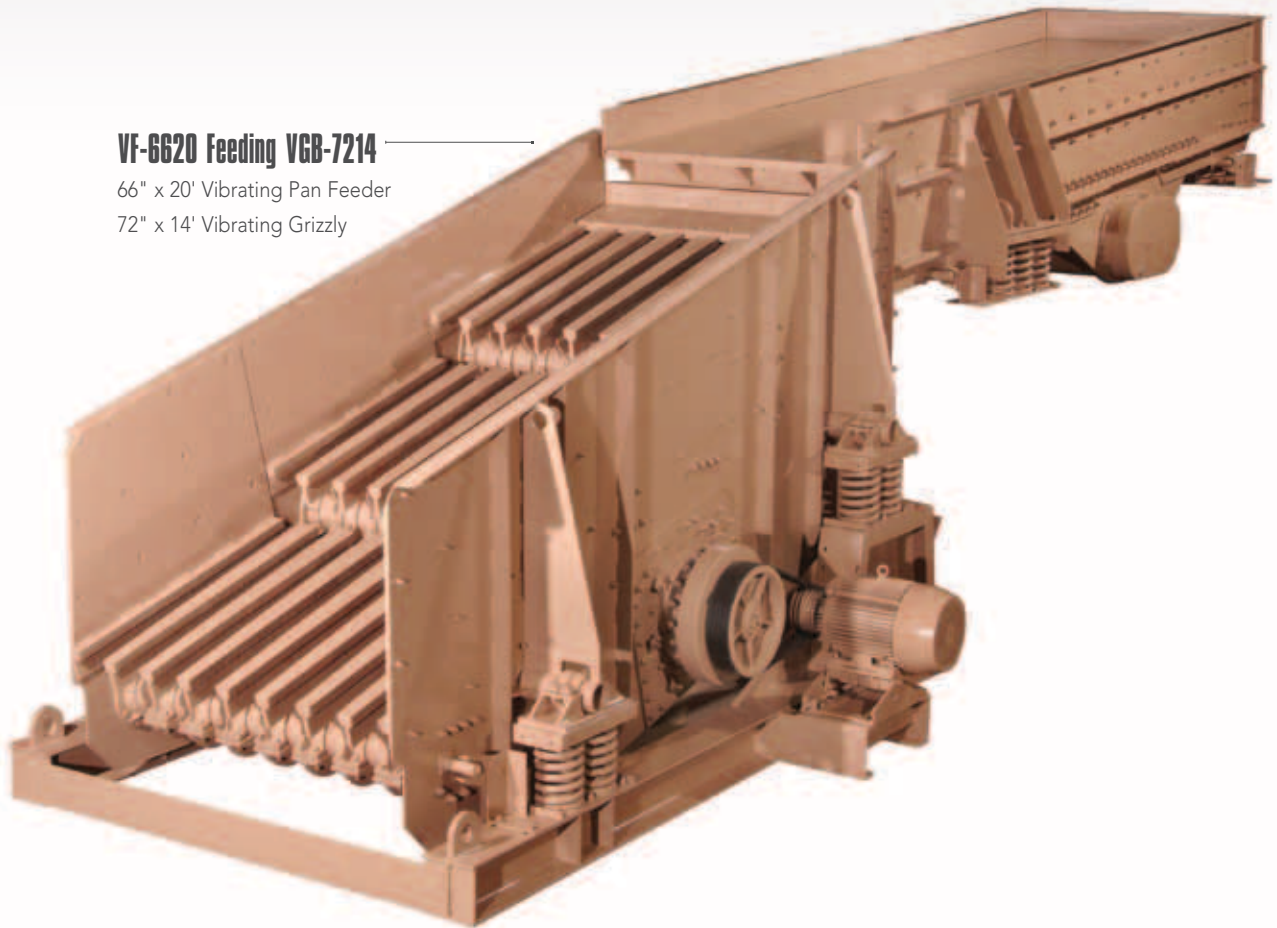


VFG-6024

60" x 24' Vibrating Grizzly Feeder

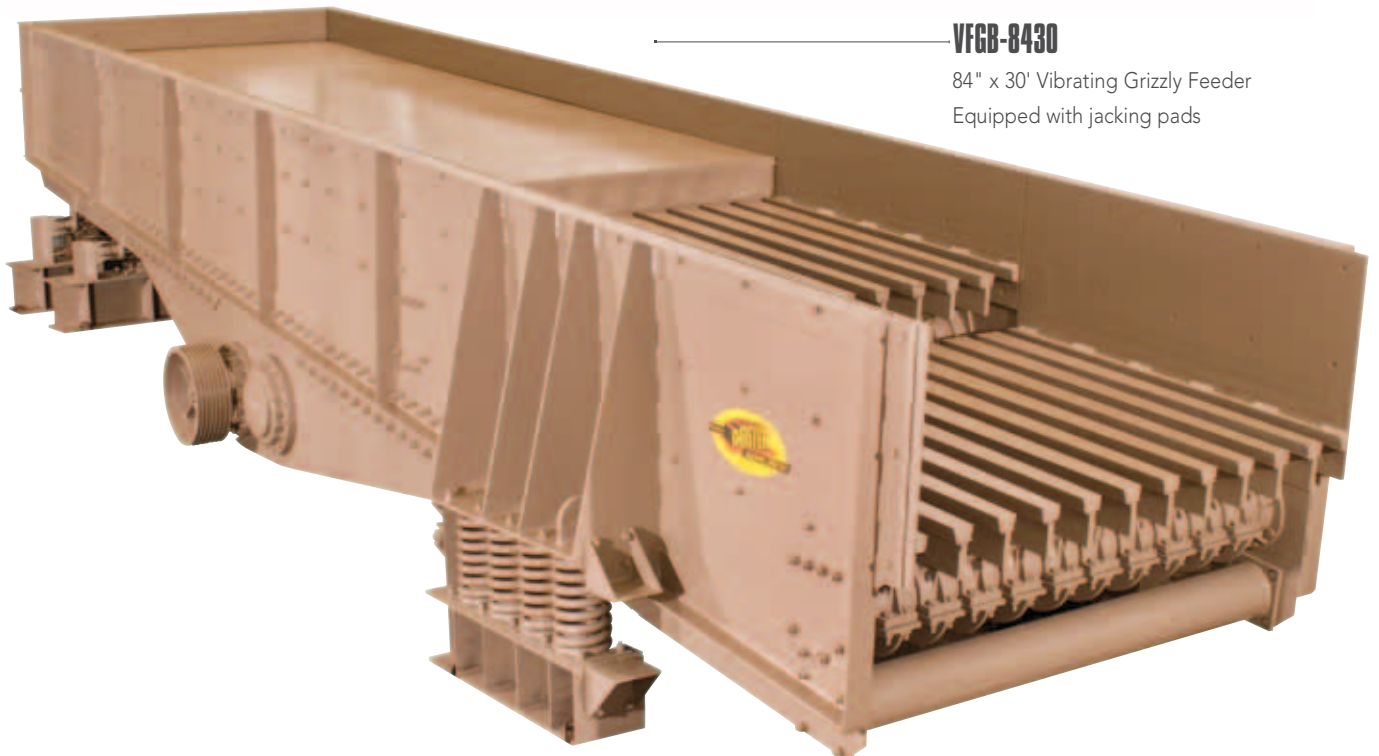
VF-6620 Feeding VGB-7214

66" x 20' Vibrating Pan Feeder
72" x 14' Vibrating Grizzly



VFGB-8430

84" x 30' Vibrating Grizzly Feeder
Equipped with jacking pads



Deister System Saver

Save time, money and oil. Why replace dirty oil when it still possesses its original lubrication properties? Simply remove the harmful impurities and reuse it. The Deister System Saver is designed to extend the life of the antifriction bearings in our Slingermist Lubrication System. By filtering out the contaminants in the lubricating oil, operations can reduce expensive bearing replacement costs and system downtime.

- Extend oil change-out intervals by filtering used oil – without exposing the oil to the open environment.
- Justify the cost and enjoy the benefits of premium grade synthetic oils by extending oil change intervals through filtration.
- Ideal for quick pressurized filling of viscous oils, saving time over gravity feeding.
- Reduce oil disposal costs.

Motor:

Volts: 120 • AMPS: 4.6/2.3
HP: 1/4 • HZ: 60 • PH: 1

Pump:

One gallon per minute; industrial grade pump

Fluids:

Synthetic or petroleum-based oils

Filtration:

Primary coarse or water-absorbing filter

Secondary fine polishing filter



FEATURES:

- Runs off standard 120 Volt power supply.
- NEMA 4 On/Off switch with grounded cord for safe operation.
- Approximately 1 GPM filtration of heavy oils.
- Convenient handle grip and lightweight design allows easy transport.
- Dual stage filters mean longer filter life and increased filtration efficiency.
- Each filter is equipped with a condition gauge to indicate the status of the filter element.
- Bypass valves prevent damage in the event a filter element becomes clogged.
- Utilizes spin-on filter elements for quick replacement.
- Available with coarse, fine and water absorbing filter elements.







2012: Deister Employees



1912: Deister Employees



DEISTER MACHINE COMPANY, INC.
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email: info@deistermachine.com
www.deistermachine.com

