



**S**micro  
**ymons**  
vibratory screens



**CUSTOMIZED VIBRATORY SCREENING SOLUTIONS  
FROM TWO LEGENDARY BRANDS**

American-Made Since 1933



## HISTORY

Smico (originally Southwest Milling and Industrial Company) is an American company that traces its history back to 1937 as Productive Equipment. The company started in Chicago, Illinois to service the many milling and feed operations that surrounded the expanding city.

In 1947, Smico was formed and began marketing screeners to the milling industries, merging in 1957 with Productive Equipment and moving the operation to Oklahoma City, Oklahoma. The company's state-of-the-art facility provides Smico with design, engineering, manufacturing, and in-house lab-testing capabilities.

In 2009, Smico acquired all the assets of Symons Screens adding a second legendary screening line to the company. Both brands continue to pioneer and deliver both standard and customized screening solutions for a wide range of common and specialty applications.

Today, we meet the needs of our customers throughout the world as SmicoSymons.



## PRODUCTS

SmicoSymons' broad product line includes a wide range of standard and customizable vibrating screeners, conveyors, separators, feeders, shakers, sifters and other process equipment. These range from specialty low-volume, fine screens to major tonnage aggregate and mining screens.

## INDUSTRIES

SmicoSymons screening solutions serve mining and aggregate production, construction, bulk powder processing, milling and feed processing, food and pharmaceutical production, oil exploration and refining, recycling and C&D processing, and glass and plastics production.

## CUSTOM CAPABILITIES

Unlike many other manufacturers, SmicoSymons continues its history of modifying existing screening models and engineering custom screening solutions for its customers. With this level of customer focus, SmicoSymons continues to stand for exceptional quality and extraordinary product support with American-made value.



## HISTORY

Symons Screens began in 1933 when the Symons Brothers Screen Company designed, developed and built many different types of screening equipment for the asphalt, aggregate, mining and industrial markets.

Before screens, the Symons brothers were very successful with the invention of the first cone crushers known as Symons Cone Crushers. Nordberg Manufacturing, now part of Metso, acquired the Symons Cone Crusher that then became the basis for their successful HP Cone Series today.

In 1999, Symons Screens was acquired by XMS Equipment Company and relocated to Tempe, Arizona. Smico acquired the assets in 2009 and moved the operation to its headquarters in Oklahoma City, Oklahoma. Today the company continues to revive the legendary brand by manufacturing the Symons screen with the same heavy-duty specifications of the past and providing customers throughout the world with a full range of components and parts.

The brand name continues under the SmicoSymons vibratory screen group.



## PRODUCTS

Symons Screens include horizontal screens for high tonnage applications, finishing screens for high-accuracy applications, K-Rod and K-Twin Rod deck screens for wet, sticky materials, K-Bar and K-Rod Grizzly scalpers and the Symons V-Screen series that are perfect for sizing and dewatering fine materials.

## INDUSTRIES

Applications served by Symons Screens include aggregate, mining, coal, ore, minerals and asphalt.

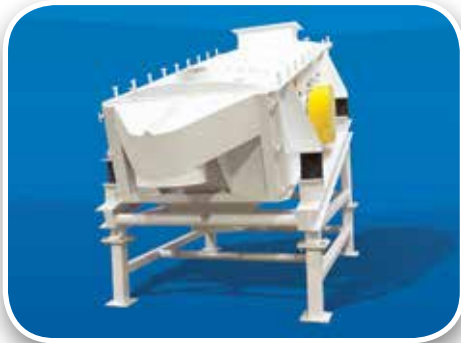
## REPLACEMENT PARTS CAPABILITIES

With 80 years of experience in the industry and with thousands of Symons Screens in use throughout the world, the company is in a unique position to supply OEM exact replacement wear parts. Symons Screens manufactures new parts for these units and can repair and support all Symons Screens and some Symons-designed Nordberg Screens.



## SMICO SCREENS – CUSTOMIZED APPLICATION SOLUTIONS

Smico combines its pioneering vibration screening technology with various levels of customization and sizes (from 12" W x 2' L to 8' W x 24' L) to maximize your screening performance. We match our vibrating screeners with a wide range of conveyors, separators, feeders, shakers, sifters and other process equipment. Below is a short list of our most requested screens.



### DH2 VIBRATORY SCREENER

These heavy-duty, two- and four-bearing declined high-volume screens are very adaptable, available in several sizes and can be customized to suit a large variety of screening and feeding operations ranging from aggregates, minerals and industrial ingredients to very tough liquid/solids separations.



### VIBROSET VIBRATING SCREENER

These light-duty screens are engineered to efficiently screen material in volumes up to 15 TPH. Its positive eccentric action allows for smoother operation and less vibration transmission and sealed-for-life bearings are maintenance free. Several customized machine configurations are available.



### SMICO LINEAR SCREENER

Linear Screeners can be set at a variety of angles to optimize their performance. They can be configured for feeding, conveying, scalping, sifting and classifying. Their inertially-coupled, dual-shaft drive creates a linear motion which aggressively propels materials at speeds up to 60 fpm. A triple-shaft is also available for heavy-duty applications.



### ROUND SIFTER

Ideal for tight spaces where in-line sifting is required. It uses a patented motor to create a low-impact sifting action. Variables, such as amplitude and speed, are easily adjusted for optimum performance. Each unit is custom assembled to match specific applications, including spices, candy, industrial powder, liquids and slurry, pharmaceuticals and more. Sizes available from 18" to 72".



## SYMONS SCREENS – SOLID, DEPENDABLE, DURABLE

Symons Screens offers a well-earned reputation for long-term performance. The line includes horizontal screens for high-volume tonnage applications, finishing screens for tight specifications, K-Rod and K-Twin Rod deck screens for wet, sticky materials, and K-Bar and K-Rod Grizzly scalpers and Symons V-Screens for fine material sizing and dewatering.



### F-SERIES SCREENS

Both very versatile and respected, F Screens are engineered for accuracy and capacity in sizing aggregates. They are commonly used as a finishing screen or as an asphalt screen and feature counter-balanced beams for low vibration transmission. Each screen is custom built to match exact plant configurations and processing requirements.



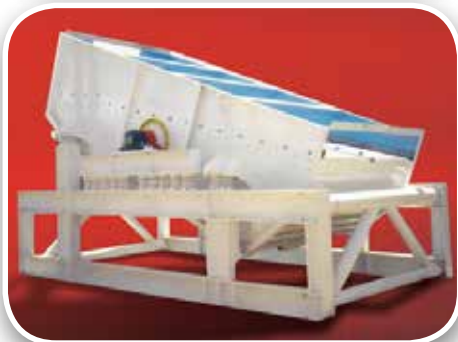
### K-BAR GRIZZLY SCREEN

With its heavy-duty construction, this high-capacity primary scalper is designed for use on openings from 2-8 inches. Its vibration can be changed to match production conditions and allow it to process up to 3,000 TPH under severe operating conditions. There are three compact sizes to choose from. Also available in stainless steel.



### K-ROD GRIZZLY SCREEN

Engineered for heavy-duty use on dry, wet or sticky product, this vibrating grizzly's stroke is easily adjustable to adapt to changing production conditions and can process up to 500 TPH. It performs as a primary scalper but can make two separations in some cases. Particles up to 12 inches can pass across the deck surface and separations from ½ inch to 2 ½ inches are possible. Also available in stainless steel.



### TWO- & FOUR-BEARING AGGREGATE SEPARATORS

A legend in high-volume aggregate, minerals and foundry applications throughout the world, the heavy-duty four-bearing eccentric drive is especially effective as rates exceed 1,000 TPH. Both versions can be easily converted to an aggregate feeder if simultaneous feeding and screening is needed. Several options allow for customization for crushed stone, sand, construction/demolition materials and recycled concrete.



## RESPONSIVE PARTS AND SUPPORT SINCE 1933

After 80 years in business, we understand the depths of parts and service support our customers need to keep operating at peak performance. And this includes manufacturing our own steel leaf springs for Symons Screens.



## MATERIALS TEST LAB SUPPORT FOR CUSTOM APPLICATIONS

Unique production conditions and process variables make selection of the proper screening equipment critical to your success. Our qualified materials test lab ensures that the machine type, size, settings and screen media selected will achieve the precise sizing, throughput and tonnage per hour required.



[www.smico.com](http://www.smico.com)



**SYMONS  
SCREENS**

[www.symonsscreens.com](http://www.symonsscreens.com)

Manufacturer:

Smico Manufacturing Co., Inc.  
6101 Camille Ave  
Valley Brook, OK 73149  
(405) 946-1461 (800) 351-9088  
Fax: (405) 946-1472  
Email: [smico@smico.com](mailto:smico@smico.com)

Agent: