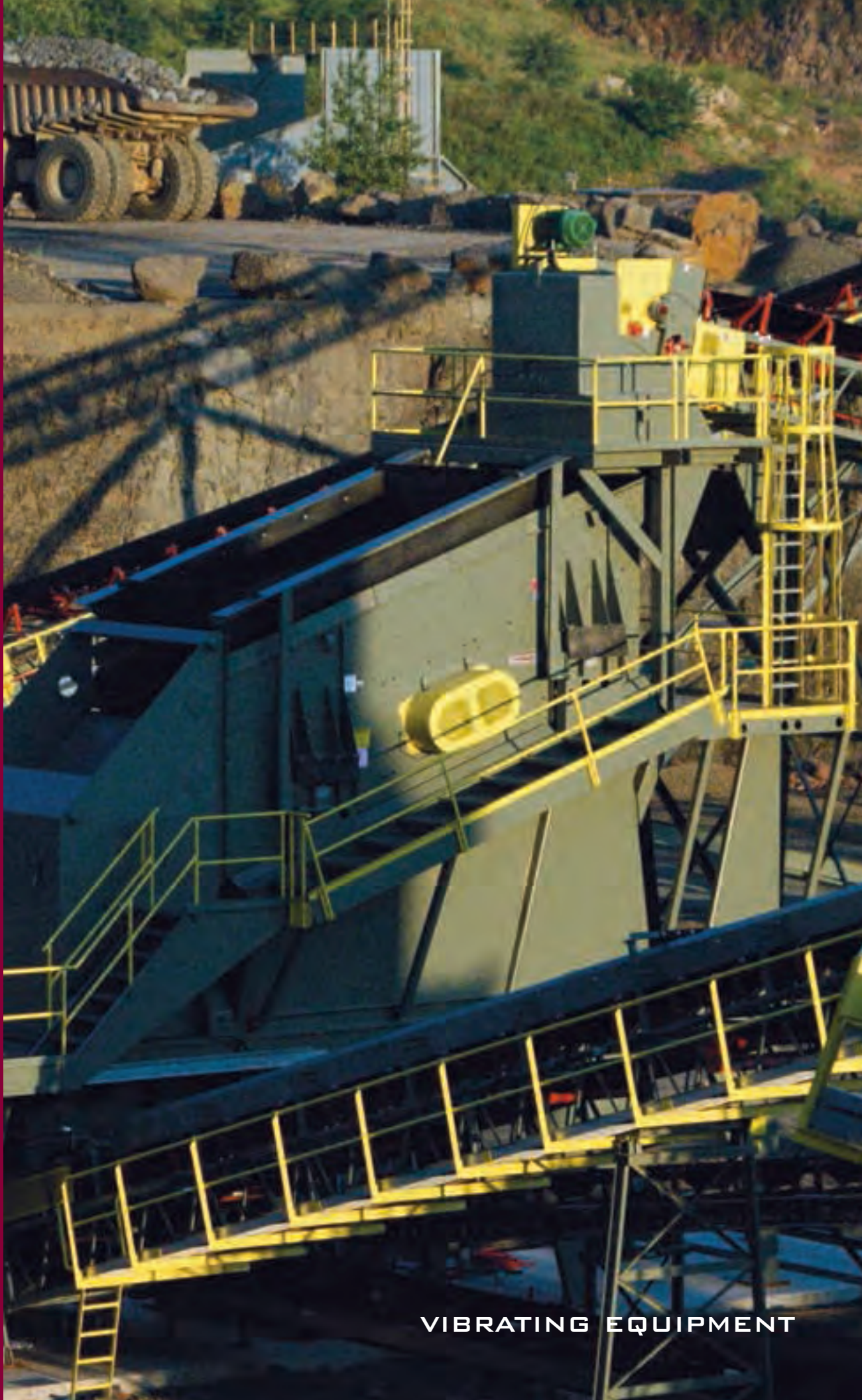


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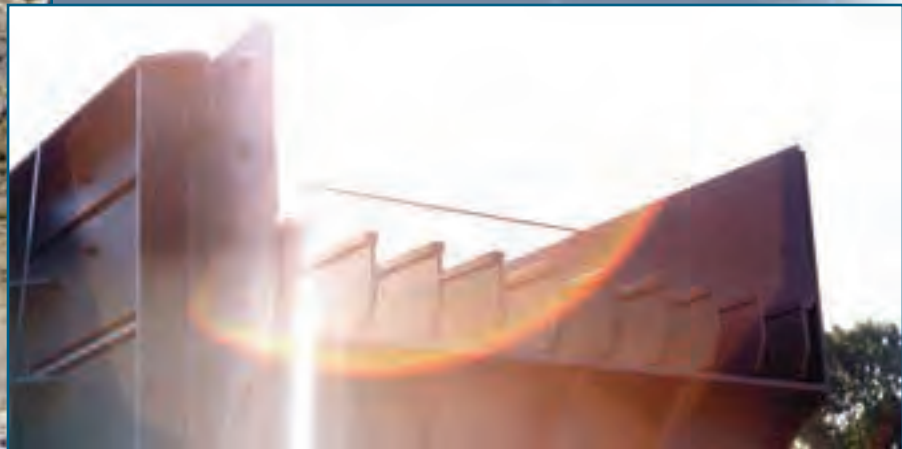
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VIBRATING EQUIPMENT

Like all **Telsmith** products, Vibrating Equipment is built to perform, and built to last.

A complete line of Vibrating Feeders and Screens let you select the ideal equipment for your application. In many cases, Telsmith Vibrating Equipment can be customized to suit particular needs.



VIBRATING FEEDERS & VGF'S

Vibrating Feeders & VGF's

Telsmith Vibrating Feeders are built to withstand the toughest jobs in a quarry, recycling, mine or sand and gravel operation. Yet their compact design makes them ideal for portable plants. They are available in a range of capacities from 25 TPH to more than 2,000 TPH, with or without grizzly bar sections.

Not even large surge loads of material can slow down these rugged machines. Vibrating Grizzly Feeders are fabricated with rigid side plate members and structural steel cross supports. Heavy grizzly bars scalp fines from the feed and heavy duty coil springs absorb tremendous impact loads and isolate vibration from the support structure for high performance feeding.



VIBRATING FEEDERS & VGF'S



Additional Features

- Rigid, cast shafts have threaded holes for the addition of positive or negative weights to suit your application.
- Wide series spherical roller bearings mean a greater load carrying capacity and increased bearing life.
- Heavy duty body consists of an abrasion-resistant steel lined pan supported on large structural members.
- Coil springs located outboard on the discharge end of the feeder body to ensure stability and room for the bypass chute.
- Flow through oil lubricated vibrating unit eliminates the need for internal oil seals, and improves bearing lubrication.

Specifications

	36	42	48	54	60	66	72
Widths (IN.)	36	42	48	54	60	66	72
Lengths (FT.)	12-16	16-20	16-20	20-24	24-30	30	20-34*
Weights (Lbs.)†	7,125-9,100	10,050-11,900	11,180-16,800	15,100-31,200	28,300-40,750	48,250	41,250-63,970
Grizzly Sections							
5 ft. straight deck	X	X	X	X	X		X
8 ft. step deck			X	X			X
9 ft. step deck						X	X
10 ft. step deck					X		X
Capacities** (TPH)	325-975	400-1,150	450-1,325	500-1,500	575-1,700	1,000-2,450	700-2,050
Horsepower	15-30	30-40	30-40	50-60	60-125	100	125

* **Extra Heavy Duty Feeder** with four timed eccentric shafts. Pan down-slope 5°, grizzly section 8°.

** Lower number is for feeder mounted horizontally. Higher number is for feeder mounted at 10° downslope.

† Weights are approximate.

Motors are 1200 RPM

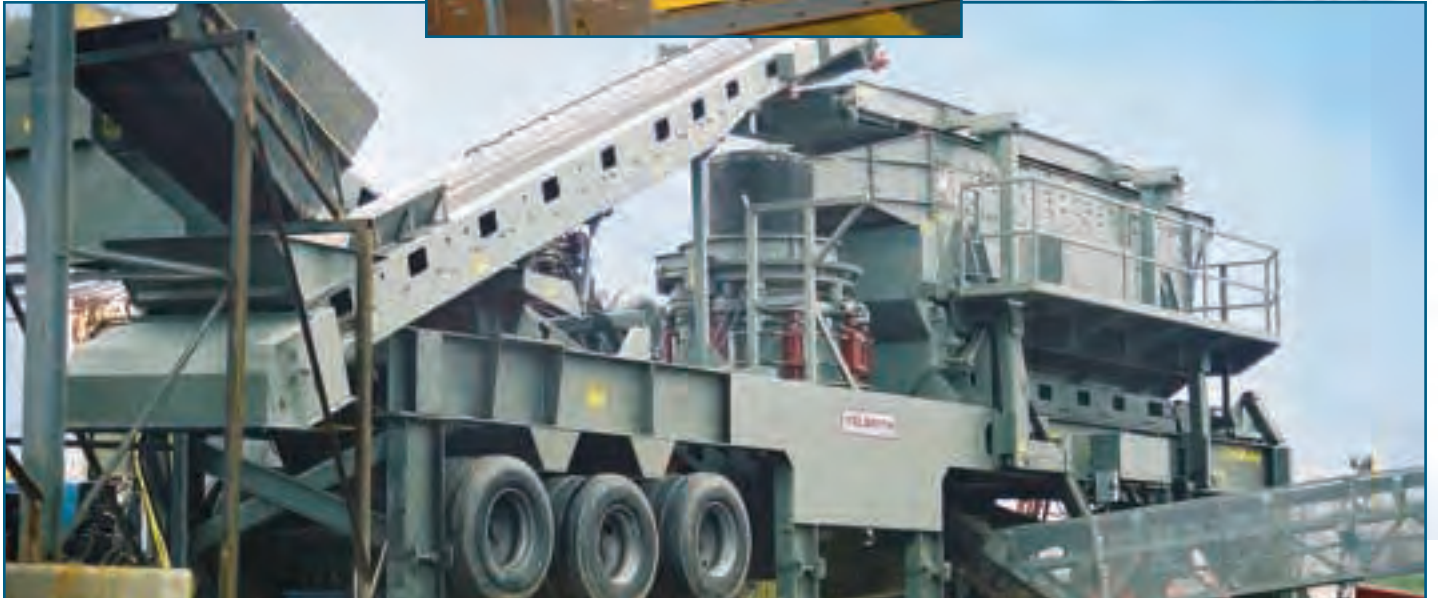
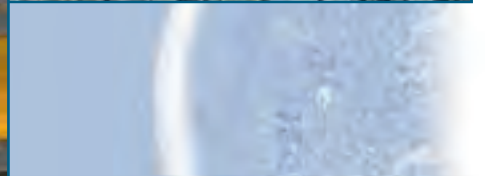
VIBRATING SCREENS

Vibrating Screens

Telsmith manufactures Vibrating Screens for virtually any application.

Vibrating Screens are used to separate materials into various sizes - for further processing, or for end use, depending on your need. They can screen dry material or, with the addition of water spray pipes, handle wet or dry material and thoroughly rinse it while screening.

These screens can be supplied on portable plants equipped with our Silver Bullet™ Series cone crusher or impact crushers. Telsmith portable plants come in a wide range of models and sizes to meet your material specifications.



VIBRO-KING® SCREENS



Vibro-King® Screens

You couldn't ask for more versatility than TelSmith's hardworking **Vibro-King** heavy duty screens. Whether you need to process dry or wet sand, gravel, crushed stone, coal, ore, or any number of industrial materials, this top-of-the-line vibrating screen can handle it with remarkable efficiency. Patented counterweights make the **Vibro-King** a smooth operator at all times – including start ups and shut downs. The live frame is assembled with huck fasteners to provide the best shake-proof assembly.



Vibro-King can handle feeds as large as 18" and can separate over screen support frames with openings of 1/8" to 6". They can also be fitted with grizzly bars on the top deck.

Vibro-King was designed to handle big, tough loads with ease. For example, the side plates are constructed of a single piece of steel, formed to an angle at the top and bottom for structural integrity. Further, a proper fit of the vibrating unit into the screen body is assured.

Available options:

- Non-clog ball deck
- Spray pipes for washing applications
- Stationary dust enclosures
- Safety guards
- TelSmith **QuickLoc**® screen cloth tensioners
- Heavy duty top tray
- Heated decks to prevent binding and allow screening of damp materials
- Side plate extensions



QuickLoc® screen cloth fastener

VIBRO-KING® SCREENS



Additional features:

- Heavily constructed support frames utilizing structural shapes for maximum strength.
- Adjustable counterweights in vibrating unit to assure proper screen stroke for each application.
- Heavy eccentric shaft enhances the screen stroke.
- A minimum of two coil springs per corner isolate vibration from the support structure.
- Narrow width screens have single crown support frames. Wider screens have double crowned support frames with center hold down clamps.
- Built-in feed box.
- Discharge lips.

Specifications

SIZE	VIBRATOR SIZE	HP*	WEIGHT† (Lbs.)
5' x 16'	32SA	20-25	9,175-14,250
6' x 16'	32SA	20-25	10,550-15,450
6' x 20'	Dual 32M	Two 30 HP	18,850-24,900
7' x 20'	Dual 32M	Two 30 HP	22,050-29,200
8' x 20'	Dual 32M	Two 30 HP	25,300-33,500
8' x 24'	Dual 32M	Two 30 HP	23,900-37,300

Available in: single, double, or triple decks. 600 - 1,050 RPM speed range.

* Requires an 1,800 RPM motor.

† Weights approximate.



VIBRO-KING® SCREENS

Standard Screen Surfaces and Tensioning



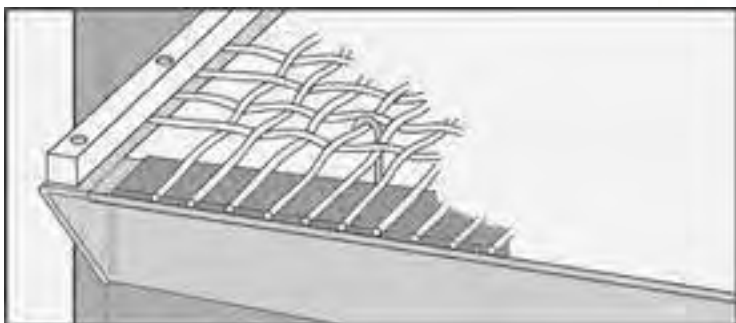
Urethane or Rubber media:

Flat deck frames are built to accommodate a variety of synthetic screening media, such as urethane or rubber, from a variety of manufacturers. The hold down method will vary depending on the type of media and specified manufacturer (consult factory for details).



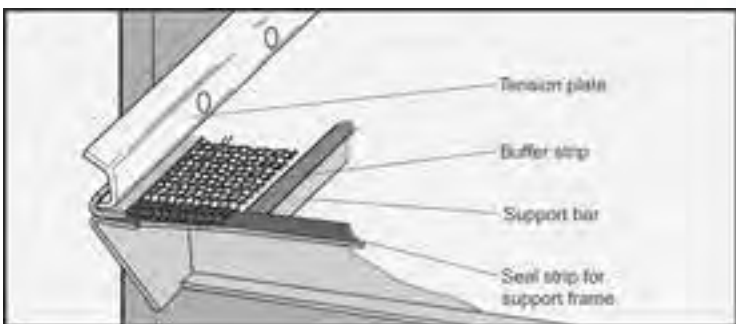
Steel Punch Plate media:

Flat decks frames are built to accommodate steel Punch Plate up to 1" thick. Flat head socket cap screws are the typical hold down method.



Heavy Wire Cloth:

Flat deck frames built to accommodate Heavy wire cloth for wire sizes .500" and larger. Side clamps with socket head cap screws and U-bolts for center hold down are typical.



Standard Wire Cloth:

Crowned deck frames are built to accept typical wire cloth with hooked edges and wire sizes smaller than .500". Double crown decks are used on 7 ft. and 8 ft. wide screens. Both side tension and end tension decks are available.

In any screening application, a key element to achieving the optimum balance between screening efficiency and low operating costs is the selection of proper screening media. TelSmith engineers have created versatile deck designs that fit with almost any media, giving you the full array of options. Experienced application specialists are available to assist you in selecting the optimum choice.

HORIZONTAL SCREENS

Horizontal Screens

Telsmith Horizontal Screens offer versatility in applications where there is limited headroom, such as portable plants and where there may be a minimum amount of water carry over from rinsing applications.

Constructed of heavy steel side plates with no welding to insure structural integrity, Telsmith Horizontal Screens can handle a wide variety of applications. Support frames are ruggedly constructed and attached to the live frame with huck fasteners, all to assure extra rigidity and uniform vibration.

Available in double or triple deck configurations in sizes from 5' x 14' to 8' x 20'. Screens can be either outfitted with a portable chassis or designed for stationary applications.



Features:

- 3 shaft power unit
- Elliptical screening motion.
- High performance finish screening or scalping.
- Extremely accurate sizing.
- Low profile design for restricted headroom conditions.
- Flexible application. Ideal for portable plants. Can be furnished for stationary operations as well.
- Spray pipes for washing applications.



HORIZONTAL SCREENS



Additional features:

- Woven wire cloth is supported on rubber nosing on the screening surface support bars, assuring maximum screen life
- Heavy steel discharge lip is incorporated to simplify the material transfer between screen and product chute.
- The shaft enclosure is a single weldment, which is machined, allowing for tighter assembly tolerances.
- Live frame is huck fastened, providing the best shake-proof assembly.
- Oil lubricated bearings.
- Stroke amplitude and angle are both adjustable.
- Variable pitch motor sheave allows speed changes.

Specifications

SIZE	DECKS	VIBRATOR	HP	WEIGHT
5' x 14'	2 or 3	24	25	11,500 - 14,000
5 x 16'	2 or 3	26	25 - 30	12,500 - 15,300
6' x 16'	2 or 3	32	30 - 40	15,100 - 19,000
6 x 20'	2 or 3	32	40	19,200 - 22,700
7' x 20'	2 or 3	38	50	21,500 - 25,500
8' x 20'	2 or 3	38	50	25,400 - 29,100

Weights are approximate and include base frame, motor mount, guards, and cloth.

SPECMAKER® SCREENS

Specmaker® Screens

Value. **Specmaker** medium duty inclined screens have redefined the meaning of the word. No other Telsmith screens have been given more thorough performance testing – both in the field and in our plant. And they've come through with flying colors: long lasting, reliable performance, extremely low maintenance – and all at a very competitive price.

The versatile **Specmaker** is ideal for secondary scalping and final sizing of material for a variety of applications, in load capacities of 300 to 800 TPH. It accepts 8" feed to produce specification material from 3" all the way down to 1/8". And it's available in seven sizes from 4' to 8' wide, and 10' to 20' long.



SPECMAKER® SCREENS



Additional features:

- Cartridge type bearing housing accommodates 33 Series bearings, and permits easy bearing removal.
- Bolt on counterweights permit screen stroke to be varied with out removing the V-belt sheaves or V-belts.
- Built-in feed box.
- Discharge lips.

Options:

- Telsmith **Quicklok**® screen cloth tensioners.
- Spray pipes for washing applications.
- Heated decks to prevent blinding and allow screening of damp materials.
- Safety guarding.
- Stationary dust enclosures.
- Oil lubrication.
- **Dyna-Deck**® (most models).
- Side plate extensions.



Specifications

SIZE	VIBRATOR SIZE	HP*	WEIGHT† (Lbs.)
4' x 10'	22B	7 1/2 - 10	5,700 - 7,620
5' x 14'	22B	15	6,840 - 9,970
5' x 16'	22B - 26B	15 - 20	7,250 - 11,000
6' x 16'	22B - 26B	15 - 20	7,800 - 12,440
6' x 20'	26B - 32B	25 - 30	9,110 - 15,430
7' x 20'	26B - 32B	25 - 30	10,550 - 18,250
8' x 20'	26B - 32B	25 - 40	14,750 - 25,300

Available in: single, double, or triple decks. 600 - 1,050 RPM speed range.

* Requires an 1,800 RPM motor.

† Weights approximate.



VALU-KING® SCREENS

Valu-King® Screens

Telsmith **Valu-King®** screens are your solution to low-cost, effective screening in a tough little package. Able to be equipped with a road-portable chassis or set up for stationary screening, the Telsmith **Valu-King** is both a versatile and economical workhorse.

Ideal for finish sizing and medium size scalping of up to 5 inch top size material. The **Valu-King** can be used with wire cloth and other tensionable surfaces. It is suitable for use in recycled asphalt applications, and can be outfitted with a number of options to fit whatever your application may be.



Additional features:

- 3 inch maximum openings.
- Feed rates of 50 to 500 TPH.
- Oil lubricated bearings.
- Adjustable counter weights.
- Includes base frame and motor mount.

Options:

- **QuickLoc®** screen cloth tensioners
- Spray piping for wet screening
- Feed box
- Discharge lips
- **Rosta™** motor base

VALU-KING® SCREENS



Specifications

SIZE	DECKS	VIBRATOR	HP	WEIGHT
3' x 4'	1	11B	5	1,400
3' x 6'	1 or 2	11B	5	1,800
4' x 8'	1 or 2	18A	5	4,700
4' x 10'	1 or 2	18A	7.5	5,400
4' x 12'	1 or 2	18A	7.5 - 10	6,600
4' x 14'	1 or 2	18A	10	7,000
5' x 12'	1 or 2	18A	10 - 15	6,900
5' x 14'	1 or 2	18A	15 - 20	7,200
5' x 16'	1 or 2	22A	20 - 25	8,500
6' x 16'	1 or 2	22A	25 - 30	9,400

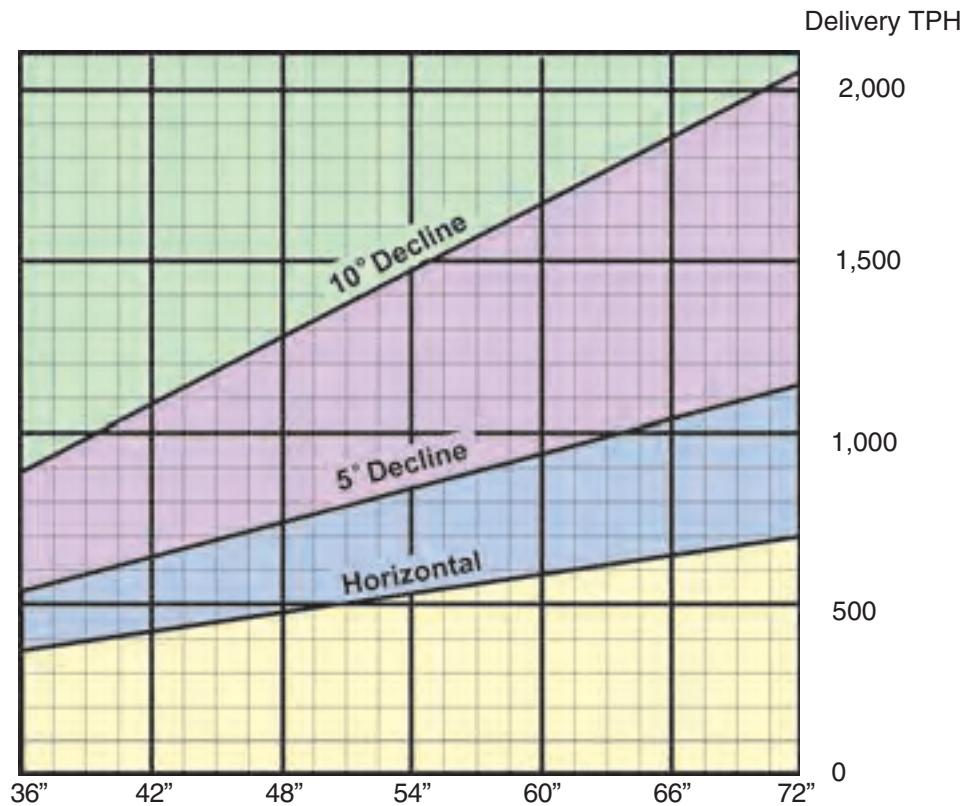
Weights are approximate and include base frame, motor mount, guards, and cloth.

VIBRATING EQUIPMENT APPLICATION GUIDE

Vibrating Feeder Capacities

Chart Assumptions:

- Travel speed: 40 FPM @ 0°; 65 FPM @ 5°; 120 FPM @ 10°
- 12" bed depth at feeder discharge or start of grizzly bars
- Material = 100 lbs. per cubic foot
- Variable flowability of material
- Vibrating feeder capacities based on maximum feeder speed
- Multiply capacity by 0.8 for rip rap or clean large stone; 0.7 - 0.9 for feeding primary crusher



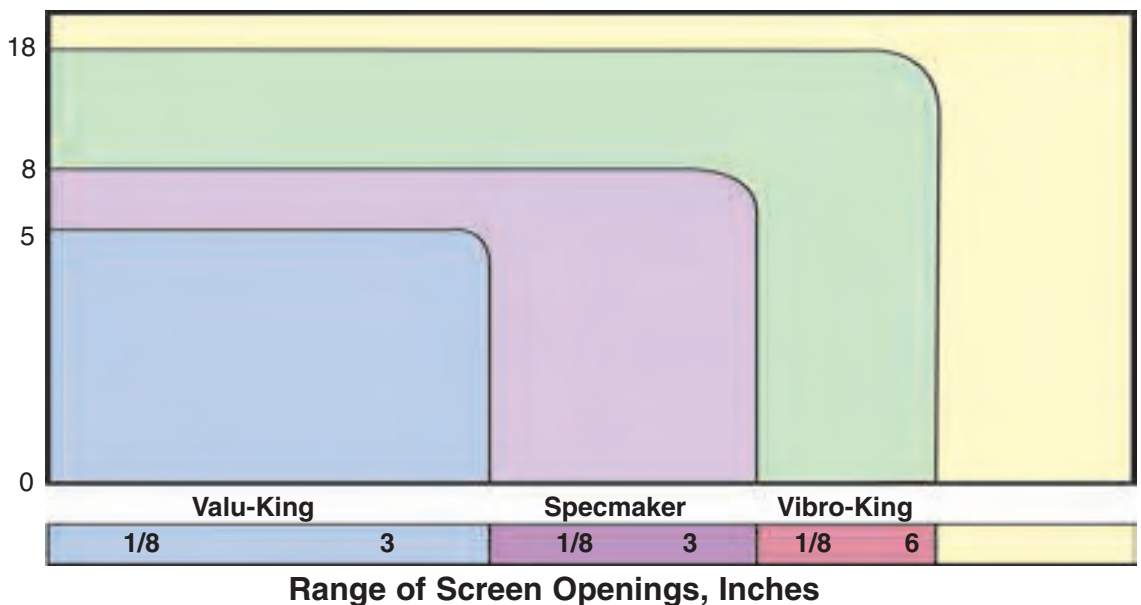
CAPACITY AND SELECTION OF VIBRATING SCREENS

* Maximum TPH Feed to Standard Vibrating Screen

Width	Vibro-King	Specmaker	Valu-King
4	-	300	250
5	500	450	400
6	650	550	500
7	800	700	-
8	950 - 1200	800	-

* Please consult your Telsmith representative for TPH in excess of those in chart.

Maximum Feed Size, Inches



To increase efficiency, inclined screens can be run counter-flow, but with some loss in capacity.

QUALITY CONTROL & COMMITMENT

When your machine arrives, you expect superior quality. Telsmith is committed to delivering products that exceed your expectations.

Linking all aspects of our company to a quality system that establishes a higher standard is what sets Telsmith apart from the competition. All phases of



Team Quality Pledge

*We pledge to our customers and ourselves that we will strive to offer the highest caliber products and services in our industry. We will endeavor to continuously improve quality, on our customers' behalf, through all phases of our operations. We will act with honesty, integrity and responsibility in all relationships, professionally and personally. We are proud to provide this **Telsmith Difference**.*

*The Employees
of Telsmith*



operations are continually monitored, cross-checked and examined for means to achieve even higher levels of performance.

Telsmith Sales and Marketing Groups utilize custom aggregate processing software to correctly engineer system designs, and generate CAD layouts to fit that system to your site. When you tell us to “*Build it,*” our engineers review all operational requirements and transform your order into design details to match your needs. The Telsmith manufacturing team then takes these details and bills-of-materials and creates the right product for your job. Throughout the process, and again upon completion, all details and tolerances are re-verified against the commercial and engineering specifications. Only after passing all quality checks is the product shipped to you, our customer.

Finite Element Analysis

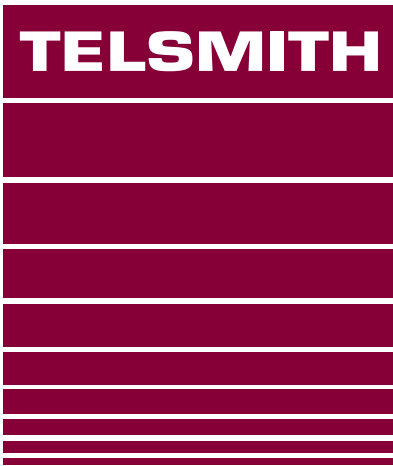
With the aid of finite element analysis (F.E.A.) software, Telsmith predicts and finds solutions for potential problem areas early in the design process. Research and development teams are able to apply static and dynamic forces to strategic elements of crushing and processing equipment to simulate the work performed in your operations every day. The result...machinery designed and built to meet the needs of the real world.

ISO 9001 Certification



TelSmith received its ISO 9001:2000 Certification in 1994.

TelSmith always looks to the future, to a vision of how we can best serve our customers, and to focus on understanding customer's needs. Certification is a tool to control and improve the quality of the products manufactured, and the efficiency, effectiveness and responsiveness with which they are produced and delivered to our customers.



an Astec company

*Mineral and aggregate processors worldwide recognize **The Telsmith Difference** — a commitment to innovation, technology, service and support that is unparalleled in the industry. Our focus on the markets we serve, and our uncompromising dedication to quality in everything we do, from design and manufacturing, to product support, is **The Telsmith Difference**. An ISO 9001:2000 certified manufacturer, Telsmith is the preferred supplier of processing equipment and fully integrated systems for leading companies in the mining, industrial, quarrying, sand & gravel, and recycle industries worldwide.*



TelSmith's World Headquarters

Located in Mequon, Wisconsin, the TelSmith Team creates solutions for today's crushing requirements with a premier engineering and manufacturing facility, and the tools to get the job done right the first time.

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