

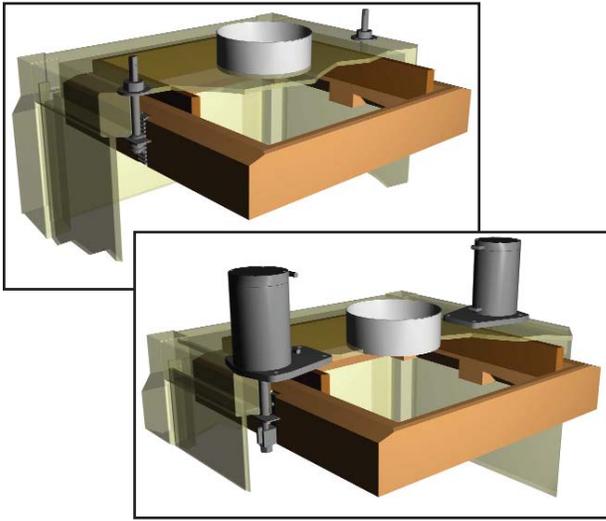
Free Swinging Sifter



The Great Western "HS" Sifter is the most proven, dependable free swinging sifter in the industry. Designed for applications with large screen area requirements as well as multiple separations.

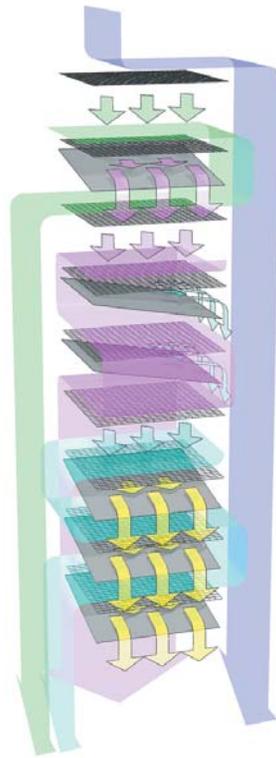
**Great
Western
Manufacturing**

The sifter is made in two, four, six and eight section (compartment) models. Thirty or more sieves per section can be obtained. Available in industry standard sieve sizes of $24^{11/16}$ " sq., $28^{3/4}$ " sq., and $30^{7/8}$ " sq. frames. Custom sizes can also be manufactured.



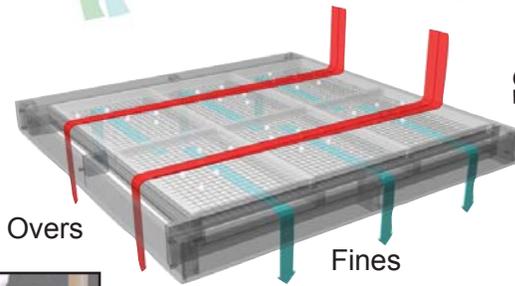
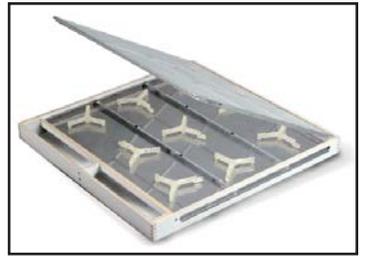
Press Tops

Maintaining a securely compressed sieve stack is critical to proper sifter operation, leak-free performance and maximizing sieve frame life. The HS Sifter is available with either the original rack & pinion sieve compression system or Great Western's innovative pneumatic sieve compression system.



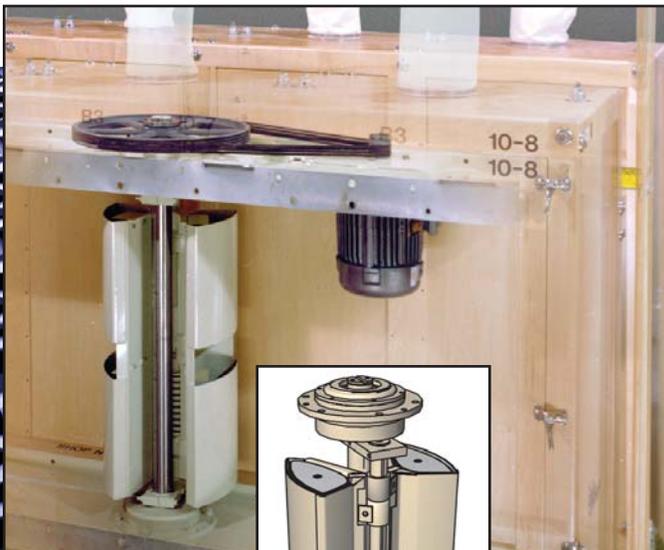
Sieves

Great Western offers the widest variety of sieve sizes and types to best suit your production and maintenance needs. Standard sieves are constructed with select poplar lumber, and are available with: demountable or lift out tray types, glued or stapled screen attachment, standard lacquer finish, HPDL lamination or stainless steel lined. Many other options are available.



Sanitary Design

Sanitary operation and easy cleanout is assured through careful design with no ledges or unsealed gaps.



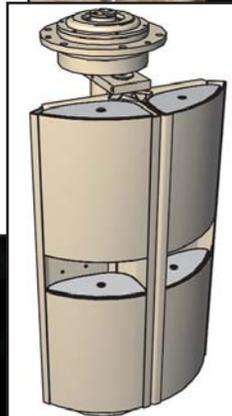
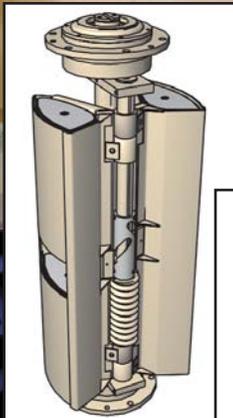
HS Drive

The Great Western HS drive mechanism is unique in combining gravity and centrifugal force to provide stable start-ups and shut-downs. The uncomplicated adjustment of weights provides the wide range of speed-throw combinations required for optimum operation to meet your product separations.

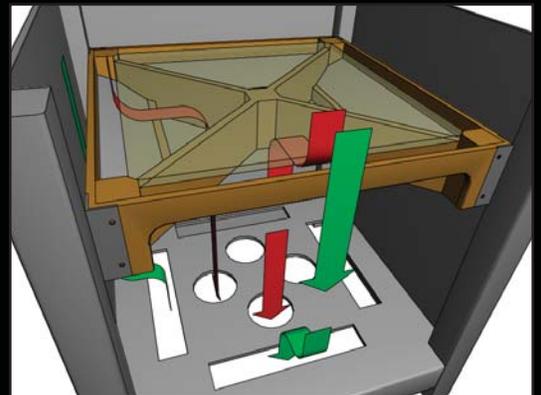
Bottom Distributors & Outlets

The bottom distributor routes the separated product streams to the outlets. The design can provide up to eight separate uninterrupted discharges.

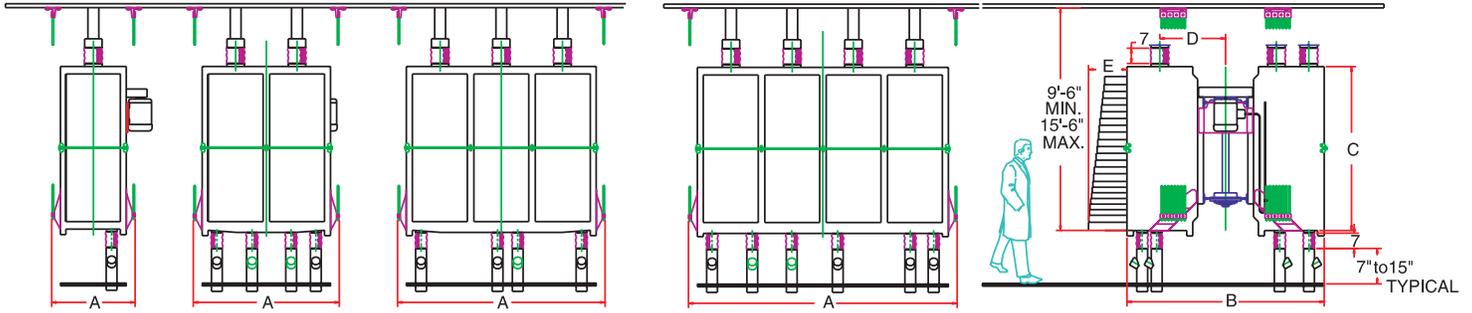
The drive, motor, and counter-weight assembly solidly connects to the two boxes. This lightweight, well proven design combines the three elements into one structure capable of withstanding the dynamic stresses required for years of continuous operation.



As the sifter starts, the radial centrifugal force is used to lift the two weight compartments up and together through accurately machined cams while compressing a spring. This controlled energy assures a smooth gyratory motion.



Standard Configurations

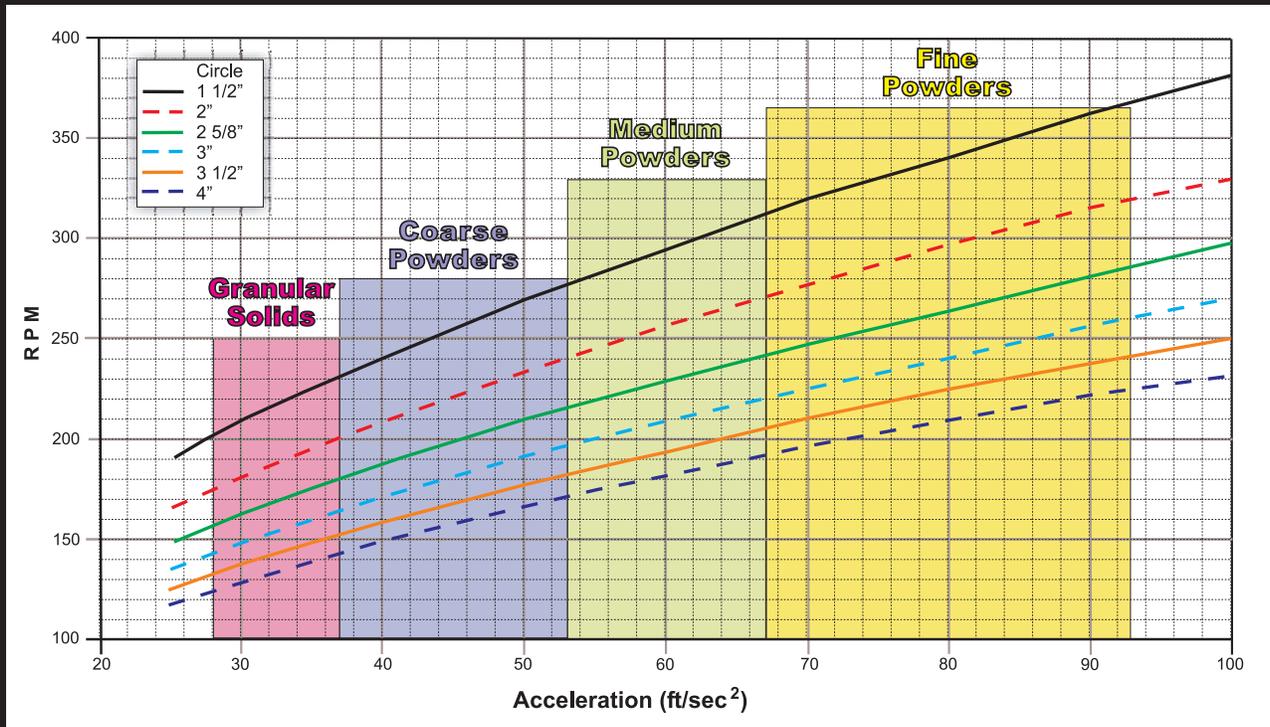


Sieve Size	Sections	Sieves per Section	HP	Max. Net Area	Dimensions in Inches					Approx. Shipping Weight (lbs)
					A	B	C	D	E	
24 ¹¹ / ₁₆ "	2	17 - 22 - 27 - 30	1 - 2	108.8 to 192.0 ft ²	39 ¹³ / ₁₆	87 ¹ / ₈	55 ³ / ₄ to 85 ¹ / ₄	28 ⁹ / ₁₆	25	2600 to 3500
24 ¹¹ / ₁₆ "	4	17 - 22 - 27 - 30	2 - 5	217.6 to 384.0 ft ²	68 ⁵ / ₈	90 ⁷ / ₈	56 ¹ / ₄ to 85 ³ / ₄	30 ⁵ / ₁₆	25	3800 to 5400
24 ¹¹ / ₁₆ "	6	17 - 22 - 27 - 30	3 - 5	326.4 to 576.0 ft ²	96 ¹⁵ / ₁₆	90 ⁷ / ₈	56 ¹ / ₄ to 85 ³ / ₄	30 ⁵ / ₁₆	25	5200 to 7700
24 ¹¹ / ₁₆ "	8	17 - 22 - 27 - 30	5 - 7.5	326.4 to 576.0 ft ²	125 ¹ / ₈	92 ¹ / ₈	56 ¹ / ₄ to 85 ³ / ₄	31 ⁵ / ₁₆	25	7200 to 9200
28 ³ / ₄ "	2	17 - 22 - 27	1.5 - 2	149.6 to 237.6 ft ²	43 ⁷ / ₈	95 ¹ / ₄	59 ¹ / ₄ to 85	30 ¹ / ₁₆	29	2900 to 3600
28 ³ / ₄ "	4	17 - 22 - 27	3 - 5	299.2 to 475.2 ft ²	76 ³ / ₄	99	61 ¹ / ₄ to 85	32 ¹ / ₄	29	4700 to 6200
28 ³ / ₄ "	6	17 - 22 - 27	5 - 7.5	448.8 to 712.8 ft ²	109 ¹ / ₈	99	61 ¹ / ₄ to 85	32 ¹ / ₄	29	5900 to 8900
28 ³ / ₄ "	8	17 - 22 - 27	7.5 - 10	598.4 to 950.4 ft ²	140 ¹ / ₂	99	61 ¹ / ₄ to 85	32 ¹ / ₄	29	8100 to 11500
30 ⁷ / ₈ "	2	17 - 22 - 27	1.5 - 3	170 to 270 ft ²	48 ¹ / ₄	102 ¹ / ₄	60 ³ / ₄ to 85	32 ⁷ / ₈	31	3300 to 4000
30 ⁷ / ₈ "	4	17 - 22 - 27	3 - 5	340 to 540 ft ²	85 ⁵ / ₈	105 ³ / ₈	61 ¹ / ₄ to 85	34 ⁷ / ₁₆	31	5100 to 6300

Note:

- Above data is indicative and subject to change without notice. Please contact Great Western for detailed AutoCAD® installation drawings.
- Inlet and discharge spouting components are illustrated for clarity and are available as accessory items.
- Custom sizes are also available.

The dependable HS sifter drive allows the selection of the optimum screen acceleration for the application.



Agitator/Blenders

Designed for efficient flour bleaching or enrichment addition in flour mills or blending facilities. The Agitator/Blender is built for long-lasting, dependable service. Three different capacity sizes, built in four different arrangements, allow the machine to be tailored to your specific requirements.



Sampl-Sifters

Sample size sifter is widely used in the cereal processing industry to monitor grinding and sifting performance, and to perform other quality control testing. Operated with a standard single phase motor, and controlled with an adjustable built-in electronic timer, the Sampl-Sifter is available in a table top version or installed in a work table.



Stream Dividers

Great Western Stream Dividers are the ideal choice for precision division of a single gravity-flow product stream into two to twelve separate streams. The housing and internal turnhead are built from sanitary and durable stainless steel mounted in a tubular steel frame for floor or ceiling installation. Standard models or custom designed units to suit any requirement.



Sieves,
Cleaners,
Screening
and More!



Free Testing Service

Great Western maintains a complete testing laboratory to evaluate product samples and make equipment recommendations. Testing will determine how your product handles and what difficulties might be encountered. Test results state area requirements and serve as a guide in determining the optimum equipment size and specifications. There is no charge or obligation for this service.



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