



# CMI Screen Dryers<sup>™</sup> HVC-1000<sup>™</sup> Horizontal Vibratory Centrifuge



The Astec | CMI Screen Dryer HVC-1000<sup>™</sup> is used for separating liquids from solids in coal, potash, and a variety of other materials. Elgin's Horizontal Vibratory Centrifuge builds on eighty years of dewatering experience and reliability, Proudly Made in America.

The HVC-1000<sup>™</sup> features a compact size having a processing capability up to 200 tph\* down to a 0.25mm particle size. Available in both 30 and 15-degree wet end configurations to meet material requirements.

The HVC-1000<sup>™</sup> can be configured to operate at speeds ranging from 300 to 1,000 rpm, allowing operators to make adjustments based on material flow characteristics for operation efficiency. Adjustments can easily be made when processing coarse or fine materials in the field.





The HVC-1000<sup>™</sup> utilizes a simple oil-bath drive unit, which requires very little maintenance with a convenient oil sight glass and easily accessible fill/drain ports. To further ease maintenance, the rotating wear parts can be quickly changed to minimize system downtime. The reinforced toothed belt drive allows for a lightweight design and reduced noise during operation.

All of these features make the HVC-1000<sup>™</sup> the lightweight common sense solution for your dewatering applications.

Model	Rotation Speed	Capacity
HVC-1000 <sup>™</sup>	300 to 1,000 RPM	0 to 150 tph*



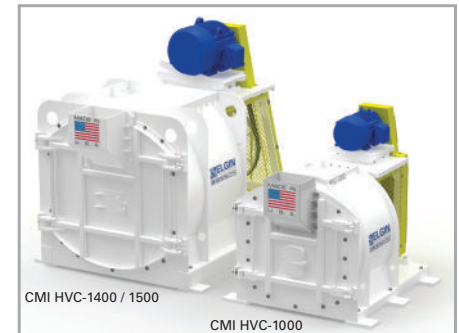
# Astec Manufactures a Complete Line of Horizontal Vibratory Centrifuges

HVC Models:	HVC-750™	HVC-1000™	HVC-1400™	HVC-1500™
Equipment Image:				
Basket RPM:	560 RPM	300 to 1,000 RPM	300 RPM	270 RPM
Feed Capacity	110 tph*	150 tph*	300 tph*	350 stph*
G-Force Range:	90 to 130 G's	50 to 550 G's	50 to 90 G's	50 to 90 G's
Drive Unit:	Belt Driven	Belt Driven	Belt Driven	Belt Driven
Rotation Motor:	20hp (14.7kW)	20hp (14.7kW) or 35hp (25.7kW)	75hp (56kW)	75hp (56kW)
Vibratory Motor:	1.5hp (1.1kW)	(2) 1.5hp (1.1kW)	(2) 3.2hp (2.4kW)	(2) 3.2hp (2.4kW)
Lubrication System:	Oil-Bath	Oil-Bath	Oil-Bath	Oil-Bath
Length:	71.875" (1,826 mm)	90" (2,286 mm)	123" (3,125 mm)	123" (3,125 mm)
Width:	57" (1,448 mm)	70" (1,778 mm)	88" (2,235 mm)	88" (2,235 mm)
Height:	47.75" (1,213 mm)	77" (1,955 mm)	103" (2,616 mm)	103" (2,616 mm)
Weight:	3,600 lbs (1,633 kgs)	6,000 lbs (2,722 kgs)	15,000 lbs (6,800 kgs)	15,500 lbs (7,030 kgs)

\* Actual feed rate dependent on material type, size distribution, and particle density.



Astec's newest model, CMI HVC 750™, made for a smaller capacity unit.



Depending on operational needs, Astec has the perfect sized solution.



Looking for spare parts and screens? Astec maintains a complete inventory to keep your operations up and running.

Screens available in various sized openings to meet material requirements.