

HEAVY-DUTY SCALPING

Built to scalp the toughest, most abrasive materials, KPI-JCI's scalper screens are built to work in conjunction with a primary crusher or in the production of riprap. The heavy four-bearing Mesabi® design creates an eccentric, positive flow action that is highly effective on heavy loads at maximum capacity, while our Iso-vibe® screen-mounting system keeps the vibration in the screen — not on your plant.



BEARING HOUSINGS

Mesabi® vibrating screens are rigidly and securely bolted to the main frame, eliminating any chance of wobble or shaft misalignment. Heavy vertical bracing under the housing also helps maintain the shaft in proper alignment and prevents sagging.



EXCLUSIVE ISO-VIBE® SYSTEM

The secondary spring suspension (standard on all Mesabi screens) "floats" the entire working screen on a set of dual springs at each corner of the frame. The heavy bottom spring carries the weight of the screen and the downward thrust, while the smaller top spring absorbs the upward thrust for a smooth vibrating action.



EXTRA HEAVY-DUTY CONSTRUCTION

The fabricated screen box has extra heavy-duty steel sides with side liners above the top deck. Constructed with heavy-duty support frames and materials, the screen assembly is a box-like structure designed to withstand the continuous stresses the screen box is subjected to.



RUGGED SERVICE

The Mesabi screens are designed for the most rugged screening applications, like producing riprap or scalping ahead of a large primary crusher. And because of its innovative design, four products can be produced simultaneously.



Rugged Dependability | Heavy-Duty Construction | Maximum Productivity

BENEFITS

Ideal for extreme and abrasive conditions with unparalleled ruggedness and resistance to wear.

Mesabi heavy-duty four-bearing design creates an eccentric-type, positive throw action, highly effective in handling heavy loads at maximum capacity.

Type	Light Scalping	Medium Scalping	Heavy Scalping	Speed	Maximum Stroke	Slope
				RPM	(in/mm)	(degrees)
Mesabi Standard-Duty	X	X	X	850-1000	0.375 / 9.53	10-12
Mesabi Heavy-Duty	X	X	X	900	0.375 / 9.53	10-15